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PLANNING RESOURCES INFORMATION SYSTEM:
ACQUISITION-MANAGEMENT-ACCESS

Comprehensive Resource Base
Inventory and Management Study

Prepared for the
Monterey County Planning Department

June 1976

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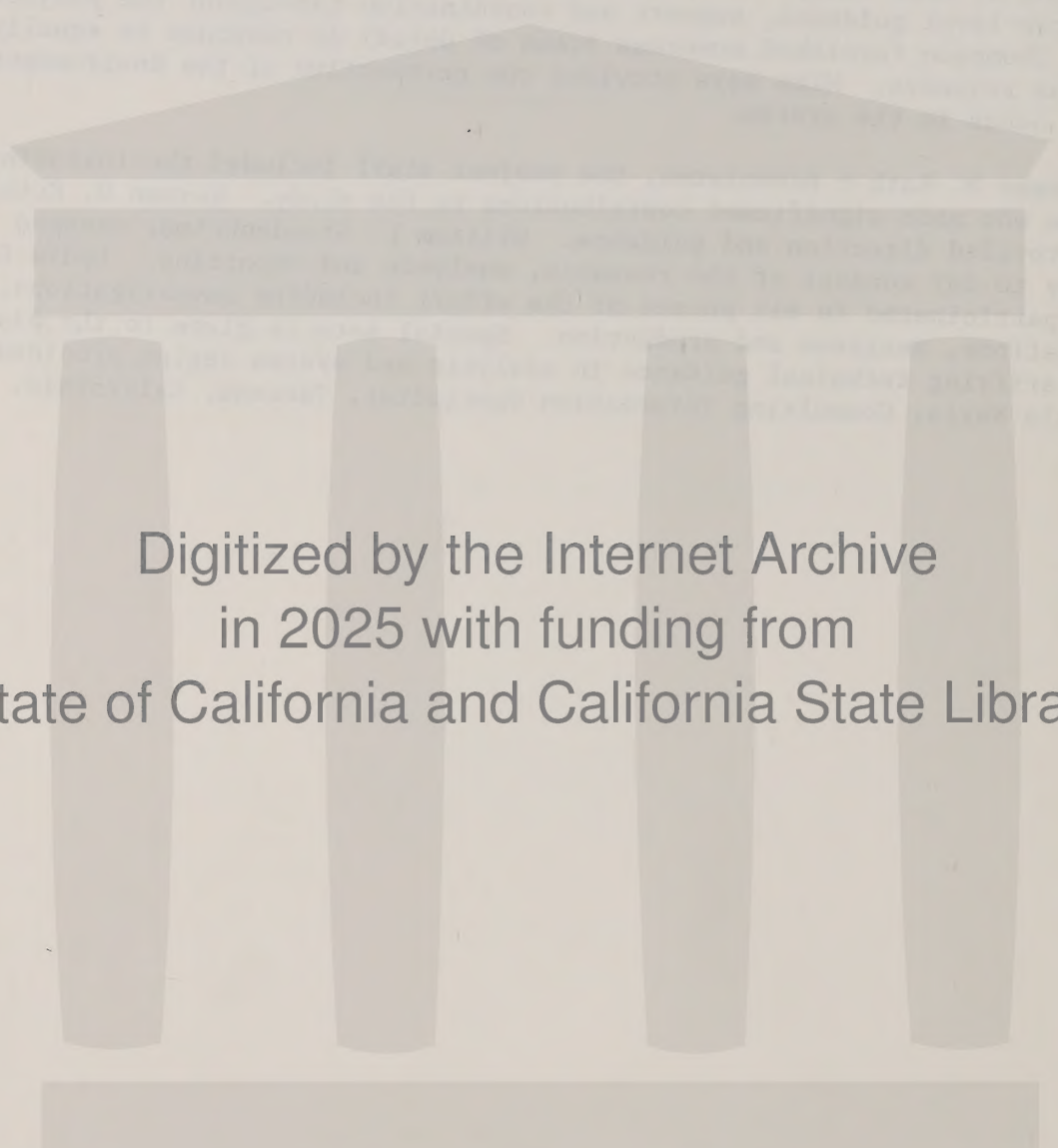
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For Herman D. Ruth + Associates, the project staff included the following persons who made significant contributions to the study. Herman D. Ruth, AIP, provided direction and guidance. William L. Staudenheimer managed the day to day conduct of the research, analysis and reporting. Lydia E. Hajdu participated in all phases of the effort including investigations, compilations, analyses and production. Special note is given to the wise and clarifying technical guidance in analysis and system design provided by Sonia Nayle, Consulting Information Specialist, Tarzana, California.



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SUMMARY

PURPOSE

To provide the means for access to environmental information required for planning analysis, recommendations and decisions. This is especially necessary given the rapid growth of portions of the County in recent years. Intelligent decisions about the nature and location of development in the County require that the best information possible be easily at hand. The procedures and retrieval system recommended herein are designed to make that information available to serve public bodies and all private interests in Monterey County.

PROJECT PHASES

Each phase of the effort was presented in a Technical Memorandum for review by a 30-member Technical Advisory Committee. These phases/memoranda were:

- Agencies and Sources of Information
- Planning Processes
- Environmental Information Directory
- Management Information Needs
- Data Availability and System Design
- System Implementation
- Development Preview Procedures

Their contents are included in this Final Report.

DEVELOPMENT PREVIEW PROCEDURES

The Problem

- Often, County has little time and little information to study what is appropriate for an area, e.g., Carmel Valley or North County.
- Adopted Area and Community General Plans are Pre-1973, Pre-EIR, and lack necessary environmental information.
- Early information assembly in Toro Vista is a good start.

Recommended Actions

- Initiate program for updating Area and Community General Plans
- Establish Planning Preview Procedures:
 - An advisory set of preview findings
 - Gathers detailed Small Area Data
 - Splits cost between County and owners
 - Provides basis for Specific Plan later
- Expand required information gathering on all projects.
- Formalize Environmental Information Preview Procedure (Toro Vista Model)
- Standardize EIR's for all jurisdictions to improve quality of information

ACCESS
TOOLS

Agency-Source Directory

- Over 500 entries
- Example follows
- Agency-Source names
- Jurisdiction types
- Information types

Environmental Information Directory (EID)

- Example follows
- Area of the County: 109 Geographic Sub Units
- Type of information: 29 Data Categories
- Source of information: Agency-Source Names
- Locator: where, what form of data
- Only Information-About-Monterey-County
- Computer listings and retrieval
- Partially complete: 350 Documents

Library of Data Documents

- Collection of Information-About-Monterey-County
- Index is the EID

Data Map Library

- Collection of Map Information-About-Monterey-County
- Index is the EID

County Data Handbook

- Summary Sheets for each of 29 Data Categories
- Wide distribution for many users: public and private
- Different Data Category each month

IN: Information Type
JU: Jurisdiction Type

COASTAL

IN	JU	NAME
25	CA	ADVISORY COMMISSION ON MARINE + COASTAL RESOURCES
25	US	ATOMIC ENERGY COMMISSION
25	US	BUREAU OF COMMERCIAL FISHERIES
25	CA	CA MARINE RESEARCH COMMISSION
25	RG	CENTRAL COAST REGIONAL COASTAL ZONE CONS COMMISSION
25	US	COAST AND GEODETIC SURVEY
25	US	COAST GUARD
25	CA	COMPREHENSIVE OCEAN AREA PLANNING DEVELOPMENT PROGRAM, RESOURCES AGENCY
25	PV	ENGINEERING-SCIENCE, INC, BERKELEY
25	CA	FISH AND GAME DEPARTMENT
25	US	FLEET NUMERICAL WEATHER CONTROL
25	PV	HOPKINS MARINE STATION, CABRILLO POINT, STANFORD UNIV
25	CA	MARINE + COASTAL RESOURCES ADVISORY COMMISSION
25	US	NATIONAL WEATHER RECORDS CENTER
25	US	NAVAL OCEANOGRAPHIC OFFICE
25	CA	NAVIGATION + OCEAN DEVELOPMENT DEPARTMENT, CA RESOURCES AGENCY
25	PV	OCEANIC SERVICES, INC
25	CA	PUBLIC HEALTH DEPARTMENT
25	CA	STATE UNIV SAN JOSE, UNPUB MA THESES
25	RG	TRICOUNTY COASTLINE STUDY ADVISORY COMMITTEE
25	CA	UNIV CA, SANTA CRUZ, UNPUB THESES
25	US	WEATHER BUREAU

SOCIAL WELFARE

IN	JU	NAME
26	BD	ALCOHOLISM ADVISORY BOARD FOR MONTEREY COUNTY, TO MC HEALTH DEPT.
26	PV	ALLIANCE ON AGING
26	BD	CHILD HEALTH DISABILITIES PREVENTION ADVISORY BOARD, TO HEALTH D., MC.
26	BD	COMMUNITY SERVICES COMMISSION, TO COMMUNITY SERVICES D., MC.
26	MC	COMMUNITY SERVICES DEPARTMENT
26	BD	EMERGENCY MEDICAL CARE COMMITTEE, TO HEALTH DEPARTMENT, MC.
26	BD	HOUSING AUTHORITY, TO HOUSING AUTHORITY OFFICE, MC.
26	MC	HOUSING AUTHORITY
26	BD	JUVENILE JUSTICE COMMISSION, TO PROBATION DEPARTMENT, MC.
26	BD	MENTAL HEALTH ADVISORY BOARD, TO MENTAL HEALTH DEPARTMENT, MC.
26	BD	SAFETY COMMITTEE, TO ADMINISTRATIVE OFFICE, MC.
26	MC	SHERIFF'S DEPARTMENT
26	BD	SOCIAL SERVICES COMMISSION, TO SOCIAL SERVICES D., MC.
26	BD	SUB-STANDARD DWELLING APPEALS BOARD, TO BUILDING INSPECTION D., MC
26	BD	TECHNICAL ADVISORY COMMITTEE ON DRUG ABUSE, TO HEALTH D., MC.
26	MC	WELFARE DEPARTMENT

LAND USE

IN	JU	NAME
27	MC	ASSESSOR'S OFFICE
27	CA	PLANNING + RESEARCH OFFICE
27	PV	REAL ESTATE RESEARCH CORPORATION

ENVIRONMENTAL INFORMATION DIRECTORY

EXAMPLE LISTING BY GSU, THEN BY DATA CATEGORY

ENTRY	GSU	DATA CAT	UN	F	YR	NAME	TYP	PLAC	MED	ID
6	0000	AGRICULT	SPA	O	74	PLANNING+RESEARCH OFFICE	CA	463	MP	10
4	0000	ARCH-HIST	PNT	O	73	PARKS+REC DEPT	CA	172	DO	8
16	0000	CIRCULATN	TRZ	Q	74	PUBLIC WORKS DEPT	MC	143	DO	71
17	0000	CIICULATN	TRZ	S	75	CALTRANS DIST 5, TRANS DEPT	CA	220	PC	72
5	0000	FISC ACTIV	PAR	S	75	ASSESSOR'S OFFICE	MC	050	PC	9
14	0000	GEOLOGY	MCO	O	66	MINES+GEOLOGY DIV	CA	211	DO	66
12	0000	HAZARDS	PNT	S	75	ANIMAL CONTROL DEPT	MC	476	PC	58
11	0000	SOIL	MCO	O	73	SOIL CONS SERVICE	US	186	MP	57
15	0000	SOIL	PAR	S	75	SOIL CONS SERVICE	US	186	PC	70
2	0000	VEGETATION	SPA	O	74	FORESTRY DIV	CA	206	MP	2
3	0000	WILDLIFE	PNT	S	75	FISH+GAME DEPT	CA	184	PC	4
25	0000	WILDLIFE	PNT	S	75	ANIMAL CONTROL DEPT	MC	476	PC	58
23	0019	AGRICULT	SPA	O	73	WATER RESOURCES DEPT	CA	266	DO	142
9	0019	AIR QUAL	PNT	W	75	MONTEREY BAY UNIFIED AIR POLLUTION	RG	189	DO	16
10	0019	CLIMATE	PNT	W	75	FEDERAL AVIATION ADMIN	US	248	DO	20
24	0019	WILDLIFE	SPA	O	73	ROBERTS, JAMES A. ASSOC	PV	480	DO	142
21	0056	COASTAL	SPA	O	71	COMP OCEAN AREA PLAN, NAVIGATN DEPT	CA	373	MP	137
1	0056	GEOLOGY	CIT	O	73	MINES+GEOLOGY DIV	CA	118	DO	1
19	0056	GEOLOGY	PAR	O	73	BOWEN, OLIVER E. GEOLOGIST	PV	470	DO	78
13	0056	UTILITIES	CIT	O	72	BROWN+CALDWELL, CONSULTING ENGR	PV	453	DO	64
20	0077	ARCH-HIST	PAR	O	74	EDWARDS, ROB. ARCHAEOLOGIST	PV	492	DO	94
8	0077	HAZARDS	SPA	S	75	ARMY CORPS OF ENGR	US	187	PC	14
7	0077	WATR RESOR	HSA	O	74	WATER RESOURCES DEPT	CA	266	DO	13
18	0077	WATR RESOR	SPA	O	67	ARMY CORPS OF ENGR	US	187	MP	76
26	0078	LAND	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	162
22	0078	VEGETATION	SPA	O	71	COMP OCEAN AREA PLAN, NAVIGATN DEPT	CA	373	MP	137
27	0078	WATR RESOR	HSA	O	74	WATER RESOURCES DEPT	CA	266	DO	13

Note: GSU code 0000 indicates that this item covers the entire County.

DATA
ACQUISITION
PLANNER

Job Description

- Identify information in other agencies
- Arrange for gathering of Small Area Data
- Establish Liaison with other agencies
- Assist planners in obtaining data
- Identify Alternate sources of data
- Assist Information exchange among staff and among agencies
- Establish information standards: gathering, reporting, EIR's
- Establish procedures for acquiring data
- Coordinate Small Area Data Committee

DATA
MANAGEMENT
SPECIALIST

Job Description

- Review incoming information
- Process accepted information
- Complete Environmental Information Directory
- Produce County Data Handbook
- Maintain Data Library and Data Map File

DATA
ACQUISITION
PROGRAM

Actions

- Specify Data Items in all Data Categories
- Determine availability of all Data Items
- Establish Standard Data Acquisition Form for EIR's
- Identify data collection agencies
- Identify qualifications for data collecting
- Establish presentation standards

FINDINGS

Planning Department Processes

- Policy: General or Emergent Problems, such as Agricultural Capability or North County Development
- Plan: Policy Applied in Space, such as Area Plans, Circulation Element or Conservation Element
- Implementation: Execution and Specifics, such as Major Project EIR or Design Approval

Data Levels for Processes

- County Level Data Coverage: such as for Land Use Element, Area, Master or Community Plans;
or as for Major Project EIR
- Small Area Data Coverage: as for Major Project EIR, for Standard Subdivision,
or Standard EIR

When Data Levels are Needed

- County-Level Data and Analysis of a Project
 - When $\frac{1}{2}$ of 1% change in County population (1500),
by one or by accumulated projects
 - Any single project over 1000 acres
 - County coverage: not detailed
- Small Area Data and Analysis of a Project
 - When under $\frac{1}{2}$ of 1% change in County population
 - All projects under 2000 acres
 - Down to 5-acre detail

Obtaining County-Level Data

- Specify Departmental Needs
- Improve Document References
- Standardize EIR's
- Identify and Contact Source Agencies

Obtaining Small Area Data

- 24 EIR's per year in past, even tripled is only 72 per year
- Total County coverage in Small Area Detail not warranted
- Improve Small Area Data requirements in EIR procedures
- Insufficient volume to use a computer
- Computer?
 - Insufficient volume
 - Large preparation time and money
 - Little manipulation or computation needed
 - No adequate impact models yet

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I. INTRODUCTION

This Report presents a system for obtaining and using environmental information about Monterey County. The system is designed to help decision-making on planning issues vital to the County: growth, resource management, and environmental protection. It involves improvements in the methods for review of development proposals, so that better information is obtained, sooner. It supports the decision process through a combination of staffing, information directories, and arrangements for getting the needed additional information. While established to serve the County, the system can benefit cities and other jurisdictions within the County as well.

This Report is the product of an eleven-month study carried out under a Comprehensive Planning Assistance (701) Grant to Monterey County, through the State of California Office of Planning and Research. Major phases of the study included:

- Identification of resources and types of information necessary for planning decision-making.

- Identification and analysis of the planning processes and planning management needs.

- Design of a system to facilitate the location and retrieval of the necessary information.

- Planning for the implementation of such a system.

The study involved a Technical Advisory Committee of more than thirty members from government agencies, public utilities and private organizations concerned with Monterey County. The Committee reviewed and provided feedback on the six interim Technical Memoranda published during the project. Their suggestions and comments have been extremely valuable in the design of the system.

This Report is organized to emphasize the remaining actions necessary for productive use of the system. Section II presents the details of "What Needs to be Done". It includes a full discussion of Development Review Methods, and an outline of Information System Actions. The basis for the latter are detailed in the remainder of the Report. Section III sets out the structure of the entire information system: a combination of staff, information gathering, and computer-supported directories. The remainder of the Report presents the Products, Findings and Analyses that were prepared in the course of the study.

II. IMPLEMENTATION: WHAT NEEDS TO BE DONE

A. Development Review Methods

1. The Problem

The responsibilities of the Planning Department include review and approval of a variety of specific development activities, particularly subdivisions and their related Environmental Impact Reports. Frequently, proposals that are brought to the Planning Department involve undeveloped areas of the County. Further, these areas are not necessarily adjacent to existing developed areas, whether incorporated or not. The problem facing the Department is the appropriate treatment of "transitional" areas. These are areas of the County which are not yet completely urban, yet which are losing their rural/agricultural character to the development that is occurring. (A discussion of a definition of "transitional" is included at the end of this section.)

Under existing planning procedures, the County has little warning of the intentions of property owners in an area until a formal development application is submitted. In many cases there is insufficient time and information for considered deliberation about what is appropriate for an area, until many of the specifics are nearly cast in concrete. One approach to the problem has been expressed as a need for a "preview procedure" for transitional areas. This procedure would evaluate the suitability of an area for development based on critical areas, on valued natural resources, on facility and service availability, and on County policies concerning growth of an area.

At present, some of the needed information is assembled and examined in the course of environmental impact report procedures, either in the Environmental Determination or in the actual EIR. With this arrangement however, an actual project has already been conceived and gone through some initial planning before the information is examined. Further, the larger context in which such a project will exist may not have been closely examined until late in the review and approval process.

This problem in effect indicates that the Area or Community General Plans, and the Specific Plans for areas, do not presently include the necessary preview information. In particular, none of the adopted Area General Plans of the County reflect the information subsequently required by the California Environmental Quality Act (CEQA). (The dates of adoption are listed in Appendix A.) Although some functional plans for the County, e.g. Seismic Element and the Noise Element, have been adopted since January 1, 1973, all Area Plans except the Castroville General Plan have been adopted or amended before that date.

At present, the state-mandated relationship between a General Plan and the EIR procedure is that the procedure does apply to General Plans. Presumably, the content of a General Plan includes policies with a potential for physical impact on the environment. Thus it is unlikely that a revised General Plan could qualify for a negative declaration, although minor amendments might. To some extent, the content and concerns

of an EIR have been, in varying degrees, informally considered in planning processes. The imposition of CEQA requirements causes more formal recognition of the content and significance of the full range of environmental concerns by Plans and Planning Processes.

At the outset, a principle implied by the information demands of CEQA, and by responsible planning methodology is as follows:

A properly prepared Area, Community, or Specific Plan will have used the same data, considered the same alternatives, examined the same impacts, positive and adverse, considered the same mitigations, and consulted the same agencies and individuals, as the EIR on that Plan.

An example of this correspondence is shown in the Environmental Element of the Pleasanton General Plan (Pleasanton Planning Department, January 1976). The entire General Plan is organized and presented in the format of an Environmental Impact Report. In this manner, the EIR concerns guide the entire process of analysis and planning, rather than become an appendix after the fact.

In general, pre-CEQA plans lack in some or all areas involving Data, Analysis of Impacts, Analysis of Alternatives, and Mitigation of the full spectrum of the natural, human and social environment. Hence at present, such Area or Community General Plans are an insufficient tool for evaluation of the specific projects submitted to the County for approval. For this reason, the reviews at present are serial, ad-hoc, and reactive only to a specific proposal. They must be made outside any larger context, and with little regard for the accumulating effects of several such proposals.

This problem is more significant to the extent that a proposal is unanticipated, or is in information-short or policy-short areas. The information gaps and policy gaps are intensified by their more urgent need for a specific project. Only after a project has been formally proposed, does the information gathering and analysis begin. Further, it is usually gathered only for the specific properties involved in the application.

The experimental procedure being used by the Planning Department for the Toro Vista Project is a productive step in the right direction. Under this procedure, information concerning the environmental resource characteristics of the property is assembled and accepted at the outset of a project. The information can then be used for evaluating the environmental impacts of a project as its design proceeds. This provides an acceptably adequate information basis on a site to begin the planning with, and to allow intelligent review of a project throughout its evolution. Even with this advance information, there is still the larger question of the suitability and adequacy of plans and information for the whole area around any project. In general, the detailed information for the environs of a project has not been previously assembled, unless a nearby project required it.

A note on urban, rural and transitional: "Urban" is approximately expressed as a density, such as population or housing units per unit of land area. "Transitional" areas will have an increasing density between "urban" and "rural". By examination of various portions of the County, a threshold value such as 1 person per acre could be used

to define transitional areas of particular concern to the County. Transitional areas would be further indicated by the increasing difficulty of carrying on productive agriculture due to parcel sizes, and impacts on existing development such as pesticide distribution. The undeveloped portions of urban service areas or spheres of influence are priority areas.

2. Recommended Actions

a. Initiate Program for Updating all Area and Community General Plans

This type of program would result in revised plans that considered environmental information and analysis as general or specific as each applicable plan. This would provide an improved policy and information base to evaluate the context of any project. By providing an updated set of policies, such plans would allow an improved preview of what will or will not be allowed in an Area.

Information and policy contained in these plans will be more generalized than the detailed information required for evaluation of a specific project. Conventional Area and General Plans do not address information at the Small Area (1, 10, 100 or 1000-acre) level of detail. Most often, such information has not previously been gathered and is not funded adequately in planning programs. This arrangement still requires that Small Area Data be gathered and analyzed for any specific project that comes to the Planning Department.

While this approach attempts to anticipate the character of the larger context of a specific proposal, it is reactive to the extent that detailed information gathering, analysis and evaluation are still required when a specific proposal is submitted.

b. Establish Planning Preview Procedures

A Planning Preview procedure will allow assembly of information and a preliminary evaluation of an area, without the formal procedures of a rezoning or subdivision application. The Planning Preview is analogous to an opinion provided by the County Counsel. It is serious, it weighs the various issues, but it is advisory rather than judicially binding. The Preview Request could be made by the Board of Supervisors or Planning Commission, but could also be made by a group of property owners or by the Planning Department as soon as an emerging problem area is identified.

An "emerging problem area" will have one or more of the following features, for example:

- 1) An increase in the number and concentration of permit applications in an area.
- 2) Increasing conflict is observed such as encroachment on productive agricultural land.
- 3) An increase in assessed values of an area that is greater than the average increase for the County as a whole.

- 4) Initiation of a major public or private project, such as a power plant, highway or large factory.
- 5) One or more areas of critical concern for the state, region or County.

The Planning Preview Request would initiate the assembly of detailed Small Area Data concerning environmental conditions, services and facilities, and present policies governing an area. The products of such a Preview are two: A Basic Information Report, and a Set of Findings.

The Basic Information Report would be similar to that in the Toro Vista Project. Such information would be gathered in sufficient detail for any significant EIR within the area. Hence, the basic information would be available for, and adequate for, use by specific Project EIR's in the area. Costs would be pro-rated on an acreage basis, recovered from the owners when a specific project application is submitted.

The second major product of a Planning Preview Request would be a set of Findings by the County to guide the property owners in the area. Such findings would include statements that:

- 1) The reported data is adequate in content and detail for EIR's on projects in the area, with exceptions noted.
- 2) The County policies that are applicable to the area, and in particular certain listed policies that are or will be of special concern in project reviews.
- 3) The standards which will be applied to projects in this area.
- 4) The County actions (e.g. Specific Plan, sewer construction) which are necessary before any projects are considered or approved in this area.
- 5) The characteristics which will be preserved in any action taken in this area (such as Critical Areas, or areas of State, regional or County concern). Substitutions or mitigations might be considered for some features or issues.
- 6) Impacts or changes must not exceed levels listed in this Set of Findings.
- 7) The "Critical Limits", including cumulative impact levels (from a 1975 baseline), which apply to this area.

The Planning Preview Request procedure provides detailed information on the larger environment of a project, and in sufficient detail for use by any project applicant. The procedure is serious but advisory, since the preparation and adoption of Specific Plans and Specific Policies remains to be done.

The Preview Findings include a finding that the reported data is adequate in content and detail for EIR's on projects in the area. To do this, the Preview must assemble in parcel-level detail all information now required for preparation of an EIR on any project in that area. Hence, the standardized Small Area Data gathering will be done for the entire area in a single effort, and will be usable for any EIR in the subject area.

This joint procedure minimizes the redundancy of information in smaller, specific Project EIR's. As a result, only very site-specific information need be gathered and included in a Project EIR. The full range of detailed data for the project site and for its larger environment is available. It will still be necessary to conduct an analysis of the impacts of any specific project in a Project EIR. The advantage of this approach lies in the prior examination of the larger context, its character, its concerns, and its policies. A second advantage lies in the prior assembly of detailed data, not only on the site, but also in equal detail for the surroundings.

Under this approach, the detail of the data gathered must be adequate for the smallest significant project, which may be a $\frac{1}{4}$, $\frac{1}{2}$ or one-acre basis. In effect, the intensive data gathering is the same as would be conducted for an EIR on any specific project in the area. This approach carries with it larger initial costs than the present arrangements. Until now, project applicants bear the costs for the preparation of an EIR on their site/project. Under a Preview arrangement, the costs would be pro-rated on an acreage basis to all property contained in the Preview area. Since the information gathering is of such detail to support any project EIR in the area, this portion of the costs of any particular EIR would be required at a later date for a specific EIR in any case. By use of a revolving fund, the County could recover the initial costs from project applicants when the data is used, that is, when a specific EIR is required.

This procedure accelerates the accumulation of useful Small Area Data pertaining to the most active areas of the County. Further, it allows consideration of the policy and plan issues in an area in more timely fashion.

As a result of the Planning Preview, the County may find that there is sufficient concern and committed development, such as an employment center, commercial center or large residential development to warrant preparation of a Specific Plan for an area. The Preview Findings will have already assembled the Small Area Data, and identified the policy issues that must be addressed. The Specific Plan preparation can then take up the generation and analysis of alternatives, analysis of impacts, and evaluation of mitigations, which go into preparation of a Specific Plan and which satisfy the requirements for an EIR. The Specific Plan becomes the adopted statement of policies, plan designations and implementation to govern the area.

c. Expand Required Information Gathering on All Projects

Building on the existing EIR requirements, this approach requires Small Area Data gathering for some multiple of (5, 10 or 100 times) the area of any specific development project for which an EIR is being prepared. This expands the understanding and definition of "environment". This approach recognizes that the environment of a project does not stop at the project boundaries. In fact, many, if not all impacts spill over the boundary lines of a given project. By this reasoning, information and analysis about the environs beyond the project boundaries should be as detailed as the information and analysis of on-site impacts created.

As with the previous procedures, the costs for information gathering over the larger area would be pro-rated on an acreage basis, and recovered from subsequent applicants for whom the Small Area Data is already available.

This approach progressively accumulates Small Area Data for active areas, providing a slight anticipation, at least of subsequent projects. Since this approach awaits a project application to initiate Small Area Data gathering, it is primarily a reactive method rather than a preview method.

d. Formalize Environmental Information Preview Procedure

This procedure would formalize, by amendment of the EIR Guidelines, the requirements initially applied to the Toro Vista Project. In this procedure, the environmental resource characteristics are compiled, reviewed and found adequate at the outset of a project. This provides the data basis for planning by the applicant, and for evaluation by the Planning Department and other agencies.

This procedure would be invoked for all projects of a given size or impact. Criteria to determine this might be similar to those which distinguish the consideration of County Level Data from Small Area Data usage, as discussed in Section VI.B.5. The criteria might include one or more of the following: a population increase of more than 1500 persons; an area greater than 1000 acres; or other changes of County-wide significance, such as a change of greater than one-half of one percent of a County baseline figure, such as employment. (See Section VI.B.5, Small Area Data)

e. Standardize Environmental Impact Reports

Actual use of data referenced in the Information System depends on the ability to rapidly assemble and compare information from numerous sources. Since EIR's are a major source for Small Area Data, their contents should be standardized so that ready comparisons of data and analyses are possible. The County should take the initiative in obtaining an EIR Standardization Policy among jurisdictions in the County. This will support sharing and exchange of information, especially through the Information System. The details of standardization are an appropriate action concern for the Small Area Data Committee recommended in Section III.C.5.

B. Information System Actions

1. Tasks

The next steps to be taken are brought together below to focus on the full set of actions that are called for. The basis for each action is fully elaborated in the remainder of the Report, which contains the details of the analyses and the design features of the recommended System.

The System features include arrangements for Acquisition of Information; Management of the information acquired; and Access to the information by users. It is designed to accommodate both County-wide and Small Area Data used in advanced planning and Environmental Impact Report preparation. Four means for access to information in the System are provided: County Data Handbook, Environmental Information Directory, Library of Data Documents, and a Data Map File.

The continuing function of Data Acquisition is to be performed by a new staff position, the Data Acquisition Planner. Management of the acquired data so that it is accessible to the users, is to be performed by a new staff position, the Data Management Specialist. The System is primarily a manual system, with computer support of one element, the Environmental Information Directory.

Establishment of the entire System as an ongoing, operating activity requires six major steps of an Implementation Program. These steps are summarized below, and then discussed in detail.

- Obtain persons for the two new positions, Data Acquisition Planner and Data Management Specialist. Two less effective alternatives are discussed in Section II.B.3.
- Form an EIR Small Area Data Committee.
- Complete the Environmental Information Directory.
- Organize the Library of Data Documents and the Data Map File.
- Compile the County Data Handbook.
- Establish the Data Acquisition Program.

a. Obtain persons for the Data Acquisition Planner and the Data Management Specialist. (Details are in Section III.C.2. and III.D.)

The several steps in the Implementation Plan will require the sustained attention and effort of the two staff persons. Some initial actions may be taken while these persons are being obtained, but full pursuit of the implementation activities requires full time effort. Consequently, action to fill these positions is the necessary first step. The implications of a combined-position alternative are discussed following the list of steps. The steps necessary are the same, but their accomplishment will be slower.

b. Form the Small Area Data Committee. (Details are in Section III.C.5.)

The formation of a Small Area Data Committee will bring together for mutual benefit, the full range of generators and users of Small Area Data in the County. The composition of the Committee would be similar to that of the Technical Advisory Committee for conduct of this study.

- c. Complete the Environmental Information Directory. (Details are in Section III.B. and IV.C.)

The present form of the EID reflects the sources of information identified from an examination of some 250 documents available in the Planning Department. In particular, the incorporated cities in Monterey County should be contacted to identify the data sources known to them, and to include in the Directory all sources found in their Environmental Impact Reports.

- d. Organize Library of Data Documents and Data Map File. (Details are in Section III.B.)

The collection of documents cited in the Environmental Information Directory must be organized by Master ID List number to facilitate location and retrieval of the document on hand. Similarly, the Data Map File must be organized, to include Master ID List numbers on each map, and designation of drawers or other storage and retrieval arrangements. For those documents and data maps not on hand in the Planning Department, requests must be initiated to obtain usable copies.

- e. Compile the County Data Handbook. (Details are in Section III.B.)

The assembly of information into summary sheets for each Data Category depends upon initiation of the above implementation steps. As appropriate material becomes available, summary sheets for a Data Category can be prepared, presenting the data as it is. The County Data Handbook is conceived in ring binder format, so that additional pages can be inserted where appropriate, and obsolete pages removed. Compilation of the County Data Handbook is an ongoing program in which summary sheets on various Data Categories are published periodically. For example, a different Data Category Summary Sheet could be published each month.

- f. Establish the Data Acquisition Program. (Details are in Section III.C.3.)

The previous implementation steps provide the structure for an ongoing data acquisition activity. The objectives of the Data Acquisition Program are:

- 1) The provision of complete, timely, accurate information to support the planning and EIR functions of the Planning Department.
- 2) Standardization of data collection and data presentation for planning and EIR functions of the Planning Department.

Fulfillment of the objectives of the Data Acquisition Program requires that the Planning Department establish procedures for obtaining and maintaining complete and accurate data on a timely basis. The focus is on Small Area Data collection in support of EIR preparation. The following actions are necessary:

- Determine the present state of information in each Data Category.
- Specify Data Items in each Data Category.
- Establish Data Acquisition Form and procedures.
- Identify data collection agencies and agents.
- Establish standards for uniform gathering and reporting of data.

2. Responsibilities

Initiation and operation of the Planning Resource Information System is the responsibility of the County Planning Department. Normally, the collection of original information is the responsibility of other agencies most familiar with the data being collected. The role of the Planning Department is that of bringing together from various sources the information needed for conduct of its functions. The Small Area Data Committee is the link between the Planning Department and other users and collectors of planning resource data.

The Data Acquisition Planner's role in initiating the System, is focused on the Data Acquisition Program and on establishing a working Small Area Data Committee. The Data Management Specialist's role in initiating the System is focused on organization of the Library of Data Documents and the Data Map File, on completion of the Environmental Information Directory, and preparation of County Data Handbook sheets.

3. Combined Position Option

This study has identified the requirements for, and responsibilities of two staff persons to conduct the activities of the Information System. There is a likelihood of delay inherent in funding and obtaining two new positions in the Department. In order to move rapidly to System Implementation, the possibility of an initial single position, later expanded to two, was explored.

First year funding by a 701 Planning Assistance grant from the State Office of Planning and Research was turned down. At present, the necessary implementation work must be carried by present Department staff. This is the least desirable option, in that the initial tasks will take three or more times longer to complete, and the usefulness of the fully operating system is correspondingly delayed. Further, the benefits of a partial system, incrementally implemented, are relatively less visible, and thus less likely to receive the support which can make the system succeed. Vigorous management attention will be required to maintain the momentum for implementation.

The relative emphases of the Implementation Tasks, and of the responsibilities of the Data Acquisition Planner and Data Management Specialist are shown on the following page.

COMBINED-POSITION EMPHASES

(Impl. Task: Implementation Task; DAP: Data Acquisition Planner; DMS: Data Management Specialist)

First Priority

Source

Form Small Area Committee	Impl. Task, DAP
Complete EID	Impl. Task, DMS
Organize Library of Data Documents and Data Map File	Impl. Task, DMS
Establish Liaison with Data Processing	DMS
Establish Data Acquisition Program	Impl. Task, DAP
Standardize Data Items	DAP
Establish County Data Handbook	Impl. Task, DMS

Second Priority

Identify Data Collecting Agencies	DAP
Identify Alternate Sources of Data	DAP
Prepare Standards for Collection and Presentation	DAP
Review Incoming Documents	DMS
Process Incoming Documents	DMS
Update EID	DMS
Enter Incoming Documents in LDD and DMF	DMS

Third Priority

Arrange Gathering Small Area Data For EIR's	DAP
Assist Planners and EIR Preparers	DAP
Assist Information Exchange	DAP
Prepare Procedures for Data Updating	DAP
Monitor for Currency of Data	DMS
Expand EID Fields	DMS

4. Schedule and Costs

The Implementation Schedule on the following page indicates that seven months will be required to fully initiate the System. The Initial Efforts for a Combined-Position Option are likely to extend over more than a full year, with stable Continuing Activity delayed correspondingly. This delay may reach two to three years if the system is implemented by current staff only.

The bulk of the costs for the first year of the System are in the staff position(s), with some costs for consultant, computer and publications.

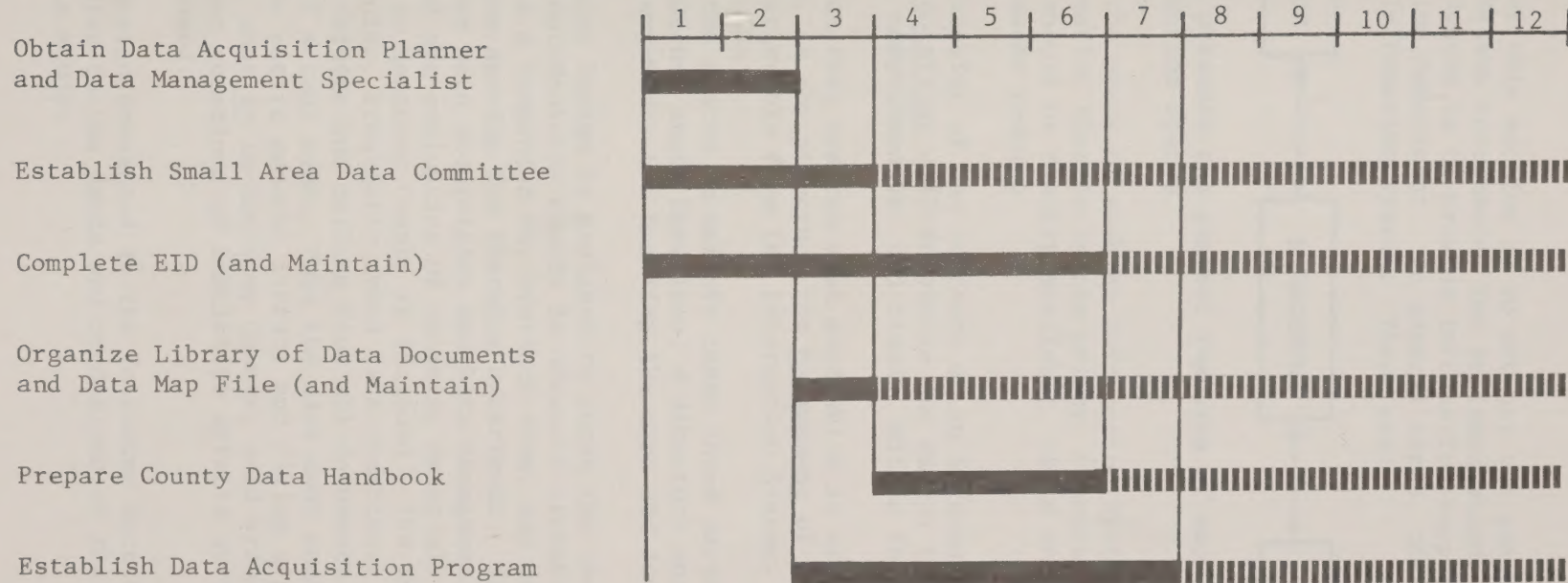
IMPLEMENTATION COSTS

	Two Positions	Combined Positions
a. Data Acquisition Planner Salary	\$18,000	
b. Data Management Specialist Salary	16,000	
c. Combined-Position Salary		\$18,000
d. Printing - EID and County Data Handbook	1,000	1,000
e. Consultant on Data Acquisition Program	<u>5,000</u>	<u>5,000</u>
	\$40,000	\$24,000

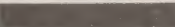
IMPLEMENTATION SCHEDULE

Action

Months From Start



Note: This schedule assumes two full time positions, Data Acquisition Planner, and Data Management Specialist. The initial efforts will take a full year using a single Combined-Position, and two or more years using present staff.

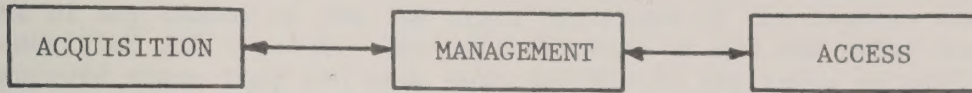
Initial Effort 

Continuing Activity 

III. INFORMATION SYSTEM DESIGN

A. Introduction

The purpose of this section is to set out the general structure of the Information System recommended for implementation. The purpose of the Information System is to provide information support for the functions of the Planning Department. In general terms, there are three major parts to an Information System. These are:



This section presents the general features of each of these three parts of the Information System.

In terms of the users of such an Information System, the means for Access to the information therein is the primary concern. Within feasible costs, user access should be readily available, rapid and as broad or as specific as the user needs require.

From the standpoint of the contents of an information system, the arrangements for Acquisition will determine the extent to which the information is accurate, comprehensive, and timely, within feasible costs.

The go-between that ensures that data which is acquired becomes accessible to the users, is the structure for Management of what is obtained, entered into, and retrievable from the Information System.

Features of the system to satisfy these three parts of the Information System include new staff functions, a directory and handbook system, and physical arrangements for handling the maps and documents.

The Information System is designed to serve the need for environmental information-about-Monterey County in advanced planning and EIR preparation. The system is a companion to, distinct from, and more than general library functions serving the Planning Department. The Directories and staff activities for Data Acquisition and Data Management are directed to pre-selection and pre-evaluation of incoming materials so that only that which is specific to Monterey County is included. The System is designed to serve particular, frequently asked data questions. As such, the effort of locating, obtaining and culling from all documents and sources is performed in advance of actual need. Thus the data user need not repeat a general search of the entire general library and filing system every time a Monterey County data, what is in Monterey County, need arises. This is especially necessary when questions of cumulative effects of development in Monterey County are posed.

The system design presented in the following Section has four characteristics responsive to the needs and conditions of the Planning Department found in this study.

First, the System is predominantly a manual system, as opposed to a machine-oriented system. Few of the actual data items will benefit from machine processing. However, the modular nature of the System allows conversion to machine support as it becomes necessary. The Environmental Information Directory will almost immediately be of such volume that computer assistance in updating, sorting and listing will be needed.

Secondly, the system provides more ready access to information that is already available. Information pertaining to one or all data categories, and one of any number of the 109 areal divisions of the County, can be quickly identified and located. The effectiveness of EIR and other staff will be improved since they can move more quickly to the tasks of analysis & planning.

Third, the costs of two new staff positions, one for data acquisition and one for data management, are enormously less than the costs of a large scale geographic-based machine-oriented system. Furthermore, such a system could support only highly standardized data of a limited nature, and realistically would not be in usable form for three to five years.

Fourth, the access, acquisition and management functions can be phased in as funding and personnel become available. Each of the recommended features, tasks and responsibilities provides a component or service useful to the Planning Department immediately.

B. Data Access

There are four means for access to information in the System:

- A County Data Handbook
- An Environmental Information Directory
- A Library of Data Documents
- A Data Map File

1. The County Data Handbook is a summary compilation of County Level Data for all Data Categories. There may be one to five pages in the Handbook covering each of the 29 Data Categories. These pages will include descriptive or quantitative information about a) the County as a whole, and b) a reasonable number of divisions within the County, such as communities, general areas or GSU clusters. The organization by Data Categories will follow a standardized order of appearance as in an Environmental Impact Report. Small-size fold-out maps summarizing map information available at larger scales will be included. The maps presented in the Conservation/Open Space Element of the General Plan are a useful example.

The County Data Handbook will be widely distributed, with multiple copies in agencies having heavy usage. A charge may be necessary to cover printing costs. A ring binder notebook format will allow flexibility for updating and additions to the Handbook. The Handbook can be progressively compiled by preparing and issuing the pages about one Data Category each month until all have been prepared. Those Data Categories with changing data can be updated quarterly or annually, as necessary.

2. The Environmental Information Directory is a catalog of both County Level Data and Small Area Data. Design of the EID is detailed in Section IV.C. The EID allows identification of data items by any one of six mnemonic, or four numeric codes, such as Data Category, Medium or Geographic Sub Unit. In its fully established form, the EID would constitute a substantial printed document, even if listed only in GSU order or in Data Category order. The EID will also be given wide distribution to ensure access by individual users. In its punched-card form, the EID is suited for computer support for listings, periodic updating and corrections, and for preparation of shorter selected lists on demand.

When computer support is established for the EID, extended versions of the of the EID can be prepared, providing additional codes, or columns of information extending beyond the standard 80-column computer cards if necessary. The first useful modification of the EID will be the preparation of an Environmental Information Descriptor List. This could be built from the Environmental Information Directory by replacing the information contained in the field for Agency-Source Name.

3. The Library of Data Documents is a collection of all (ideally) data documents referred to in the Master ID List, which is all documents referred to in the Environmental Information Directory. Multiple copies of the most heavily used documents should be maintained in the Environmental Library of Data Documents. Thus, this Library should be organized in the order of numeric Master ID List entries.
4. The Data Map File is the map portion of the Library of Data Documents. Insofar as possible, the data maps should be in reproducible form. Each Data Map will be coded by its Master ID List number. Conversely, the text of each Master ID List entry for a map should note pertinent data about that map, such as scale and classifications of data on it.

C. Data Acquisition

1. Introduction

Not all data required by the Planning Department is on hand; some does not yet exist. The recommended Information System includes the structure for access and management of the data; it also includes the arrangements for systematically obtaining additional and updated information. Neither an incomplete nor an aged body of information will serve the Planning Department needs. For whatever system is established, either manual or machine, the data acquisition function is necessary; neither system is useful until the pertinent data is obtained.

A sustained data acquisition effort is necessary, both for County Level Data and Small Area Data. This is especially true for those Data Categories in which the Department is presently lacking. Soon, if not already, information in these areas will be needed to address the emerging Policy, Plan and Implementation questions discussed in the Data Needs and Data Availability section of this Report. Secondly, aging data must be replaced. Some,

such as soils and geologic information is relatively permanent. However, data in other categories has a usefulness measured in terms of one, two or five years. If the System is to remain useful, such perishable data must be kept timely.

The role of the Planning Department in data acquisition is, and will continue to be, that of providing links or liaison for information-flow into the Planning Department. Only as a last resort should the Planning Department serve as the original gatherer of Data,

At present, some original data is gathered by the Planning Department. This includes some housing and population information. The Department also arranges for gathering of specific needed data in certain instances, such as during preparation of Environmental Impact Reports. In these cases, field visits and research by specialists provide new information concerning vegetation, wildlife, geology and archeologic sites. Most other data is gathered by agencies in the course of their normal activities. These arrangements for data acquisition are what have taken place to the present. The recommended improvements will provide a more systematic approach within the same divisions of function.

The Data Acquisition component of the Information System includes a new staff position, Associate Planner (Data Acquisition); a standardized Data Acquisition Form used for each EIR or project; a multi-agency Small Area Data Committee; and arrangements for standard collection reporting and dissemination procedures for the County and cities. The Acquisition elements of the Information System will need to be computer-supported only if the original gatherer of data provides it in machine-readable form. This Information System does not envision extensive conversion of data to machine-readable form by the Planning Department.

2. Associate Planner (Data Acquisition)

The continuing function of obtaining data for the Planning Department is to be performed by a Data Acquisition Planner. (The actual title may involve "Research", "Environmental" or "Planner II", but the data acquisition function is significant.) This position will be filled by a professional, generalized planner. This planner will become familiar with the full range of Planning Department information needs. This person will provide active liaison with all agencies which may be collecting pertinent information. The Data Acquisition Planner will assist other planners and preparers of EIR's by obtaining the necessary information, and by arranging for information collection in anticipation of their needs.

This arrangement will ensure that alternate sources of data are identified early in a project. It will promote the effective use of the professional resources of the Department, since each project and each planner will not be required to re-research, rediscover (and possibly miss) pertinent sources. The Data Acquisition Planner, being generally informed of the needs and resources can assist in the exchange of information across disciplines and across projects. With the more general information support

performed by the Data Acquisition Planner, the specialists are free to turn their expertise to those tasks fully requiring it.

The Data Acquisition Planner is a professional, generalist planner, familiar with the needs of various Planning Department activities. Responsibilities of the Data Acquisition Planner include the following:

- a. Identify data collecting agencies, and the nature of information collected by each.
- b. Arrange for gathering of specific Small Area Data for preparation of Specific Environmental Impact Reports.
- c. Provide active liaison with information-generating agencies to communicate needs of the Planning Department, and to be informed of agency source materials.
- d. Assist planners and preparers of EIR's by obtaining necessary information from outside and by anticipation of their needs where possible.
- e. Identify alternate sources of data required by Planning Department staff.
- f. Assist in information exchange among disciplines and among projects conducted by the Planning Department and by other agencies.
- g. Standardize the set of data items required in various review processes, including EIR's. This will require specification of data items within each of the Data Categories of the Information System.
- h. Prepare standards for uniform presentation of data such as uniform table format, and standards for size and scales of maps used for gathering and presentation of data.
- i. Prepare procedures for obtaining complete and accurate data on a timely basis, including the review and elimination of obsolete data from the Information System.
- j. Coordinate the activities of the Small Area Data Committee.

If this new position is established at the County's Planner II level, the cost amounts to 15 percent of the total cost of three existing Senior Planners and four existing Planners II. If these seven persons each presently spend more than 15 percent or more of their time in the search and acquisition of data for advanced planning and EIR preparation, the new position is cost effective. Their time thereby becomes available for analysis and planning responsibilities.

The responsibility of the Data Acquisition Planner is to know the sources of data and procedures for obtaining it sufficiently well that a minimum of time is expended in obtaining it when necessary. For both EIR preparation and planning projects, time and effort is lost in identifying

the correct source, and in determining the most effective procedure for obtaining such information. Both for advanced planning and EIR preparation purposes, the Data Acquisition Planner can indicate whether or how the information can be obtained and can assess the likelihood of obtaining it in the necessary time.

3. Data Acquisition Program

The responsibilities of the Data Acquisition Planner for initiating the Information System include the conduct of a Data Acquisition Program. This includes the following tasks:

- a. Determine the present state of information in each of the Data Categories. This will include a determination of what is available, what is needed, how it can be collected, and by whom, and what actions and costs are involved in collection of the needed data.
- b. Specify the Data Items in each Data Category. This involves first identifying the possible Data Items in each Data Category. Then the Data Items which are actually used in analysis of impacts will be noted. A standardized set of Data Items to be used in Environmental Impact Reports will be prepared. This step leads to the adoption of a Data Acquisition Form described in the next step.
- c. Establish a Data Acquisition Form and the procedures for its use. The Data Acquisition Form is a standard checklist of Data Categories and Data Items usually required for preparation of an EIR. The Form permits the EIR preparer and the Data Acquisition Planner to coordinate their activities in a timely manner by specifying which data items are on hand and which data items will be collected.
- d. Identify data collection agencies and agents, both governmental and private. This will include the naming of agencies which collect specific data, and the identification of offices and individuals as knowledgeable contacts. It will also include the articulation of professional skills or qualification required for adequate collection of specific data items.
- e. Establish standards for uniform collection, presentation and referencing of data, for qualifications of collectors, and for standardization of Environmental Impact Reports by city and County agencies.

4. Data Acquisition Form

The Data Acquisition Form is a standard checklist of all Data Categories and Data Items within each, usually required for preparation of an EIR, or for the Development Preview procedure. A Form is to be completed as soon as a Preview request of EIR/project application is made. A model for the Form is shown on the following page. For each Data Item, the responsible agency and contact person is designated, as well as an expected delivery time. Where appropriate, data collection costs are also indicated. The Data Acquisition Planner and the EIR preparer jointly complete the Form

to identify the available, and the missing pieces of information, so that steps can be taken to obtain all that is needed, in a timely manner.

For those Data Items already available, the EIR preparer can make use of the Access capabilities (Environmental Information Directory, Master ID List, Library of Data Documents and Data Map File) to obtain them.

The EIR preparer and the Data Acquisition Planner will agree upon the additional information items to be required, and upon those that may be excluded.

The unanticipated data item needs that emerge as the analysis proceeds should then be the only data item needs arising from the peculiar nature of a given project. The procedures for use of the Form should include amendment of the Data Acquisition Form on a given project whenever new information requirements are identified, i.e. when time delays and additional costs are encountered.

One of the steps in the design of the Data Acquisition Form will be review of all EIR's prepared to date to identify the specific Data Items within each Data Category that were used in preparation of each EIR. Of course, as the quality of EIR's has improved with experience, more refined information has been brought to bear. The EIR experience to date will also indicate the depth, or degree of detail used for projects of various types and sizes. Use of the Data Acquisition Form will help in standardizing the data items used for given types of projects.

Establishment and use of the Data Acquisition Form will make explicit to all parties involved what specific information is required, what time delays in data collection are expected and what exemptions are necessary.

5. Small Area Data Committee

As indicated in the remainder of this Report, the functions of the Planning Department require Small Area Data, particularly for the preparation of Environmental Impact Reports. The other users of such information would include the counterpart EIR preparation activities in the incorporated cities of the County. Other agencies within the County may be both providers and users of such Small Area Data.

A Small Area Data Committee provides a basis for contact and communication among those generators and users of Small Area Data. The composition of the Committee would be similar to that of the Technical Advisory Committee for conduct of the Comprehensive Base Inventory and Management Study. Its membership should include generalists, specialists in various data categories, both users and sources, and representatives of both public and private agencies. Involvement and cooperation of the twelve cities is essential.

The Committee is to meet and exchange information as appropriate on matters stemming from their common interest in the problems posed by Small Area Data needs. The members of the Committee and the County Planning Department can benefit from exchange of information about

Model For

DATA ACQUISITION FORM

Project Name _____

Date _____

EIR File No. _____

Acres _____ Housing Units _____

GSU _____

Other File Nos. _____

Action Type: Development Preview _____

EIR Determination _____

EIR - Major Project _____

EIR - Standard _____

Form Completed By: _____

Status *	Responsible Agency	Contact	Acquisition Date	Cost
----------	-----------------------	---------	---------------------	------

DATA CATEGORY

Data Item

Data Item

Data Item

DATA CATEGORY

Data Item

Data Item

-
- * Status: - Available in-house
 - Available outside
 - Not required

what data can be obtained, what data is needed and in what forms. A key initial effort could be work to standardize the data content of the Environmental Impact Reports prepared by the County and the incorporated cities.

6. Standards

The Data Acquisition Form is a means for coordination and standardizing the information obtained on Development Previews and EIR's processed by the County. The information provides a structure for organization and retrieval of data used in these activities. Both the System and the activities will benefit from the setting of standards for collection referencing and presentation of information, in itself and in the Development Previews and EIR's.

a. Collection

The files of the Planning Department have accumulated information pertaining to those areas for which EIR's and other studies have been prepared. This information can support preparation of EIR's on projects in the vicinity. However, there are enormous costs for obtaining Small Area Data covering large expanses of the County. Given the relatively small volume of EIR's requiring Small Area Data, certain EIR's will open new territory for which appropriate Small Area Data has not yet been collected.

The discussion of Development Preview Procedures in Section II.A., was aimed at finding a means for collection and review of sufficient information in sufficient time before detailed project planning had been done. To support this and the EIR needs, some form of "piggybacking" to support Small Area Data collection is necessary. Such an arrangement could obtain Small Area Data for as great a distance around any project as possible when the data on a specific project is gathered.

The justification for establishing a requirement that data be gathered beyond the boundaries of any project proposal has some basis, though not necessarily precedent, in an adequate environmental impact analysis methodology. Rarely is the environment of a project precisely limited to the project boundaries. Consequently, the impacts stemming from a project extend at varying distances from the site itself. An adequate analysis of the impacts requires information as detailed for off-site environment as for the on-site environment. To the extent that Small Area Data has to the present, been gathered only for the project itself, environmental impact analysis method has been lacking throughout California.

The not fully resolved problem of distributing the costs for such Small Area Data gathering has, by default, resulted in demand for only the minimum of data: information within the project boundaries only. Requirements for gathering more extensive Small Area Data will not serve the needs for EIR preparation and for planning, but would contribute to the use of an improved approach to impact analysis.

b. Presentation

The acquisition of information from many sources, and easy use of it by all users of the Information System, will be helped by the establishment of standards for uniform presentation of data, particularly in Development Preview reports, and in EIR's. Most planners will testify that the synthesis of information is greatly hampered by the use of differing bases for reporting of findings: differing time intervals, differing map scales or differing breakdowns of the data. The responsibilities of the Data Acquisition Planner include work for establishment of standards for uniform presentation of data.

Standards for each of the three forms of data will be prepared. Standards for Mapped Data may include size, scales, legends and detail of items mapped. For Tabular Data, standards may include basic data units used, headings, and groupings or totals recorded. For Qualitative Data, standards may include a checklist of features to be covered and a sequence of presentation of the information.

- c. The method used for the initial compilation of entries in the EID has highlighted the need for more consistent standards for referencing sources of data used in all documents prepared by the Planning Department. The basic data references used in preparing any document may be well known to the preparer of that document. However, other readers who may have an interest in the source of data cannot readily identify the source of such information. A set of standards for consistent referencing of information used will: facilitate wider usage of such information; ensure that new sources are entered in the EID; aid in distinguishing what is original, primary information in any document from that which is secondary, or obtained from another source.

d. Qualifications

In conjunction with the specification of Data Items and levels of detail via the Data Acquisition Form, and with a larger area collection requirement, the Planning Department should articulate the professional skills or qualifications required of those who collect specific data items. This is informally done in many ways already: a biologist is not sent to obtain geologic data in the field. Use of such competence requirements will improve the confidence with which data can be used and combined with other data items.

e. Environmental Impact Reports

The problems posed by non-standard collection and reporting of information is most acute in the EIR process. The CEQA guidelines for preparation of EIR's and the counterpart guidelines prepared by counties and cities, are limited in their detail, and varied in their expectations. The use of data contained in the resultant EIR's is consequently limited by the variability in form and content.

With Planning Department initiative, and the Small Area Data Committee as the coordinating body, the County and cities should undertake investigation of the means for standardizing the content, form and methods used in Environmental Impact Reports within the County.

D. Data Management

As new information is obtained through the Data Acquisition procedures, it must be entered into the System so that users can obtain it, using one or more of the Access features. The responsibilities for handling and organizing the material are lodged in a professional position in the Planning Department, the Data Management Specialist. (The actual title may involve "Research" or "Environmental" or "Librarian", but the data management functions are significant.) The Data Management Specialist will be thoroughly familiar with the organization and operation of the Information System, in order to make the acquired data accessible.

This study has identified the need for a specialized system focused on Environmental-Data-About-Monterey-County. This system is complementary to other library needs of the Planning Department, but not all library references are Data-About-Monterey-County. Thus the functions of the Data Management Specialist are distinct from those necessary for general planning library operation. In reality, the separate functions may be performed by the same person.

The responsibilities of the Data Management Specialist include:

1. Review incoming documents and other data for relevance to planning responsibilities. Not all documents will contain information about "what is" in Monterey County. Some information may be too highly specific for Planning Department purposes. The Data Management Specialist will consult with potential users-planners, for guidance, policy and decisions on questionable items.
2. Process incoming information into usable form for the Planning Department. This will include geocoding: the identification and assignment of appropriate Geographic Sub Unit numbers. It may also include reformulating the data into usable form, or bringing together data from separate sources where appropriate. In some instances allocation or disaggregation of quantified information to smaller areas of the County may be needed.
3. Update the Environmental Information Directory. This includes the organizing of information by the appropriate Data Categories, and the creation of new EID entries, with appropriate cross-references. For each new entry, the corresponding Master ID List entries are to be made.
4. Place the actual incoming documents into the Library of Data Documents as the EID and MID entries are made. When appropriate, entry of machine-readable documents into the County Data Processing Library will be made.

5. Establish the County Data Handbook. This includes selection of the appropriate charts and tables to be included in the Handbook of selected County-wide data. This will require judgments about the level of detail for any data in the Handbook, since the purpose of the Handbook is to serve as a more generalized summary of data. This work will include collection of appropriate data maps to be included in the Handbook. This is an ongoing activity, with sheets published on each Data Category as they are assembled.
6. Establish the Data Map File, arranging for identification, classification and storage of Data Maps, including County Level Data maps, and Small Area Data maps as they become available. This will include creation of new entries in the Environmental Information Directory, the Master ID List, and entry of the Master ID List number on the Data Maps.
7. Monitor the contents of the County Data Handbook, the Environmental Information Directory, the Library of Data Documents, and the Data Map File for currency of the information contained in the System. The Data Management Specialist will call users' attention to information that may be becoming less-than-current, through a periodic review of items in the Environmental Information Directory. The need for updated information is to be made known to the Data Acquisition Planner so that steps can be taken to obtain it.
8. Expand the EID to include additional items of information about each entry. For example, the Agency-Source Name field in each EID entry can be replaced with a Data Item Descriptor, providing a very short characterization of the material in that entry. This becomes more feasible when the Data Item list on the Data Acquisition Form is established.
9. Maintain contact with the Electronic Data Processing Department for the necessary computer and programming support. This includes the creation of new entries, periodic listings, and selected extracts of the EID for various projects, EIR's or Development Preview actions.

IV. PRODUCTS

A. Agency-Source Directory

The information system, and this study to design it, are supported by a compilation of sources of information pertaining to Monterey County. At the start of this project, over 125 documents from the Planning Department files and library were examined for mention of agencies and individuals with documents or other knowledge potentially useful for Planning Department concerns.

All potential sources of information referred to in the documents examined were noted. This includes all public jurisdictions, including cities, special districts and other taxing bodies, as well as County Service Areas. Further, organizations and individuals likely to have additional information as well as pertinent advisory groups, were included. The principle maintained is that many groups, formal and informal, may have pertinent information either as documents, or members who are well informed in areas of the group's concern. Such information may not be formally published, but is frequently more current than published and bound documents. Such sources are pertinent, either as first-hand sources, or as more informed guides to specific information.

The completed Agency-Source Directory is presented in Appendix B. An example of one listing is shown on the following page. The Directory entries are classified by 27 Information Types* and by 9 Jurisdiction Codes. Thus the Directory can be listed by grouping all agencies involved with a particular Information Type, or it can be listed by grouping all agencies of a given Jurisdiction Type. Both listings, as well as an alphabetical listing are available from the Planning Department.

This Directory was used to prepare a mailing list to nearly 300 agencies and organizations. A copy of the Directory, and a questionnaire was sent to each. The questionnaire sought correction of the recipient's entry, and suggestions of other sources, and asked questions related to the need for mapped and other socio-economic and environmental information. The results of the questionnaire are reported in Section VI.A.6.

B. Geographic Sub Units

1. Concept

The concerns of the Planning Department range from the problems of the County as a whole, to more specific parcels of land, and to permits on specific parcels of land. The needs for planning and EIR information similarly range in detail, and in area coverage, from the general to the specific. As noted previously, the types of planning concerns, and pertinent information, also

* The Directory was compiled at the start of the study; the 27 Information Types were subsequently regrouped into 29 Data Categories for the Environmental Information Directory.

IN: Information Type
 JU: Jurisdiction Type

COASTAL

IN	JU	NAME
25	CA	ADVISORY COMMISSION ON MARINE + COASTAL RESOURCES
25	US	ATOMIC ENERGY COMMISSION
25	US	BUREAU OF COMMERCIAL FISHERIES
25	CA	CA MARINE RESEARCH COMMISSION
25	RG	CENTRAL COAST REGIONAL COASTAL ZONE CONS COMMISSION
25	US	COAST AND GEODETIC SURVEY
25	US	COAST GUARD
25	CA	COMPREHENSIVE OCEAN AREA PLANNING DEVELOPMENT PROGRAM, RESOURCES AGENCY
25	PV	ENGINEERING-SCIENCE, INC, BERKELEY
25	CA	FISH AND GAME DEPARTMENT
25	US	FLEET NUMERICAL WEATHER CONTROL
25	PV	HOPKINS MARINE STATION, CABRILLO POINT, STANFORD UNIV
25	CA	MARINE + COASTAL RESOURCES ADVISORY COMMISSION
25	US	NATIONAL WEATHER RECORDS CENTER
25	US	NAVAL OCEANOGRAPHIC OFFICE
25	CA	NAVIGATION + OCEAN DEVELOPMENT DEPARTMENT, CA RESOURCES AGENCY
25	PV	OCEANIC SERVICES, INC
25	CA	PUBLIC HEALTH DEPARTMENT
25	CA	STATE UNIV SAN JOSE, UNPUB MA THESES
25	RG	TRICOUNTY COASTLINE STUDY ADVISORY COMMITTEE
25	CA	UNIV CA, SANTA CRUZ, UNPUB THESES
25	US	WEATHER BUREAU

SOCIAL WELFARE

IN	JU	NAME
26	BD	ALCOHOLISM ADVISORY BOARD FOR MONTEREY COUNTY, TO MC HEALTH DEPT.
26	PV	ALLIANCE ON AGING
26	BD	CHILD HEALTH DISABILITIES PREVENTION ADVISORY BOARD, TO HEALTH D., MC.
26	BD	COMMUNITY SERVICES COMMISSION, TO COMMUNITY SERVICES D., MC.
26	MC	COMMUNITY SERVICES DEPARTMENT
26	BD	EMERGENCY MEDICAL CARE COMMITTEE, TO HEALTH DEPARTMENT, MC.
26	BD	HOUSING AUTHORITY, TO HOUSING AUTHORITY OFFICE, MC.
26	MC	HOUSING AUTHORITY
26	BD	JUVENILE JUSTICE COMMISSION, TO PROBATION DEPARTMENT, MC.
26	BD	MENTAL HEALTH ADVISORY BOARD, TO MENTAL HEALTH DEPARTMENT, MC.
26	BD	SAFETY COMMITTEE, TO ADMINISTRATIVE OFFICE, MC.
26	MC	SHERIFF'S DEPARTMENT
26	BD	SOCIAL SERVICES COMMISSION, TO SOCIAL SERVICES D., MC.
26	BD	SUB-STANDARD DWELLING APPEALS BOARD, TO BUILDING INSPECTION D., MC
26	BD	TECHNICAL ADVISORY COMMITTEE ON DRUG ABUSE, TO HEALTH D., MC.
26	MC	WELFARE DEPARTMENT

LAND USE

IN	JU	NAME
27	MC	ASSESSOR'S OFFICE
27	CA	PLANNING + RESEARCH OFFICE
27	PV	REAL ESTATE RESEARCH CORPORATION

vary from area to area within the County, due to its varied urban and rural nature.

The design of the Information System provides a means for distinguishing among various areas of the County, and thus for coding information according to that part of the County to which it pertains. Existing geographic identifiers range from characterizations such as the coast, the valley, the peninsula, to boundaries of jurisdictions such as cities or special districts, to the boundaries of land ownership units and parcels. The characterizations are extremely broad for locating information. Boundaries of jurisdictions overlap each other and their areas are too large for locating information adequately. Parcels are small and numerous - 80,000 of them in the County - so that the task of encoding and maintaining Planning Department data for all would be large, but feasible if the data were available. As indicated in Section V, Findings, such detailed data is not available. A set of unique area identifiers, Geographic Sub Units, (GSU's) of manageable number, were defined to support the Information System.

The primary purpose of the Geographic Sub Units is to help identify and locate information in the Information System. (To the extent that the GSU's reflect natural or demographic units, they may also suggest the boundaries of planning areas for other Planning Department purposes.) Their function is to identify, or to tag information. Thus assignment of a GSU code to an information reference says that this information is concerned with this GSU area in some way. No value or calculation is assigned to pinpoint or quantify the information within the GSU. The user must examine the information to judge its pertinence to the question at hand. The GSU identifier does allow all references about a given GSU area to be found or grouped together for examination.

2. Definition

The division of the County into appropriate GSU's poses several, somewhat conflicting requirements. On the one hand, each GSU should be sufficiently small to help separate out information pertinent to a specific area; on the other hand, the general nature of much available information may require fewer GSU's to cover the County. The smaller the GSU's, the greater their number; at one extreme are the 80,000 parcels in the County. Conversely, the problems facing different areas of the County are different; agricultural, urbanizing, urban, coastal, and forest areas, to name a few. Hence the GSU's should not be defined too broadly, so that these differences are distinguishable.

The GSU's ideally would be defined in a way that respects "natural" identifiable boundaries. Natural features, and their related information, are more likely to distinguish themselves along such boundaries. In the southern portions of Monterey County, natural resources, such as water, vegetation, and soils are predominant. For this area, a set of hydrologic drainage basins are generally identified by natural features such as ridge lines.

In the northern portion of the County, the greater degree of development and potential development, reflecting the concentration of population, suggests that the principal basis for GSU's should be more along development, or demographic lines. Census Tracts, and Traffic Zones used in the Monterey County Transportation Study, provided the framework for GSU's.

In order to avoid creation of an entirely new set of geographic identifiers, the boundaries of each GSU were chosen to fall on at least one of the following:

Hydrologic Drainage Basins (primarily in the southern two thirds of the County)

Traffic Zones (these frequently follow lines of enumeration districts, comprise a Census Tract)

Census Tracts (primarily in Salinas and Monterey-Carmel)

The GSU boundaries are shown on the following set of maps. The general nature of the GSU's is described below.

The coastal area from Point Lobos south to the County line is generally defined by a Hydrologic basin; a Traffic Zone divides the area south of Big Sur.

The hills of Los Padres National Forest are divided into four GSU's, along Hydrologic basin lines.

A single Hydrologic basin follows the Salinas River Valley. A single GSU is established for each of the Valley communities: Bradley- San Ardo, King City, Greenfield, Soledad and Gonzales.

Within Salinas and Monterey-Carmel, Census Tract boundaries are used as the GSU lines. The environs of Salinas and the environs of Monterey-Carmel, including Carmel Valley, are divided using Traffic Zone Boundaries, to provide sectors, or rings, extending outward from the developed areas. The Census Tracts in these environs cover too large an area for these unincorporated, developing areas.

The County north of Salinas to Watsonville was divided into GSU's generally along Traffic Zone boundaries.

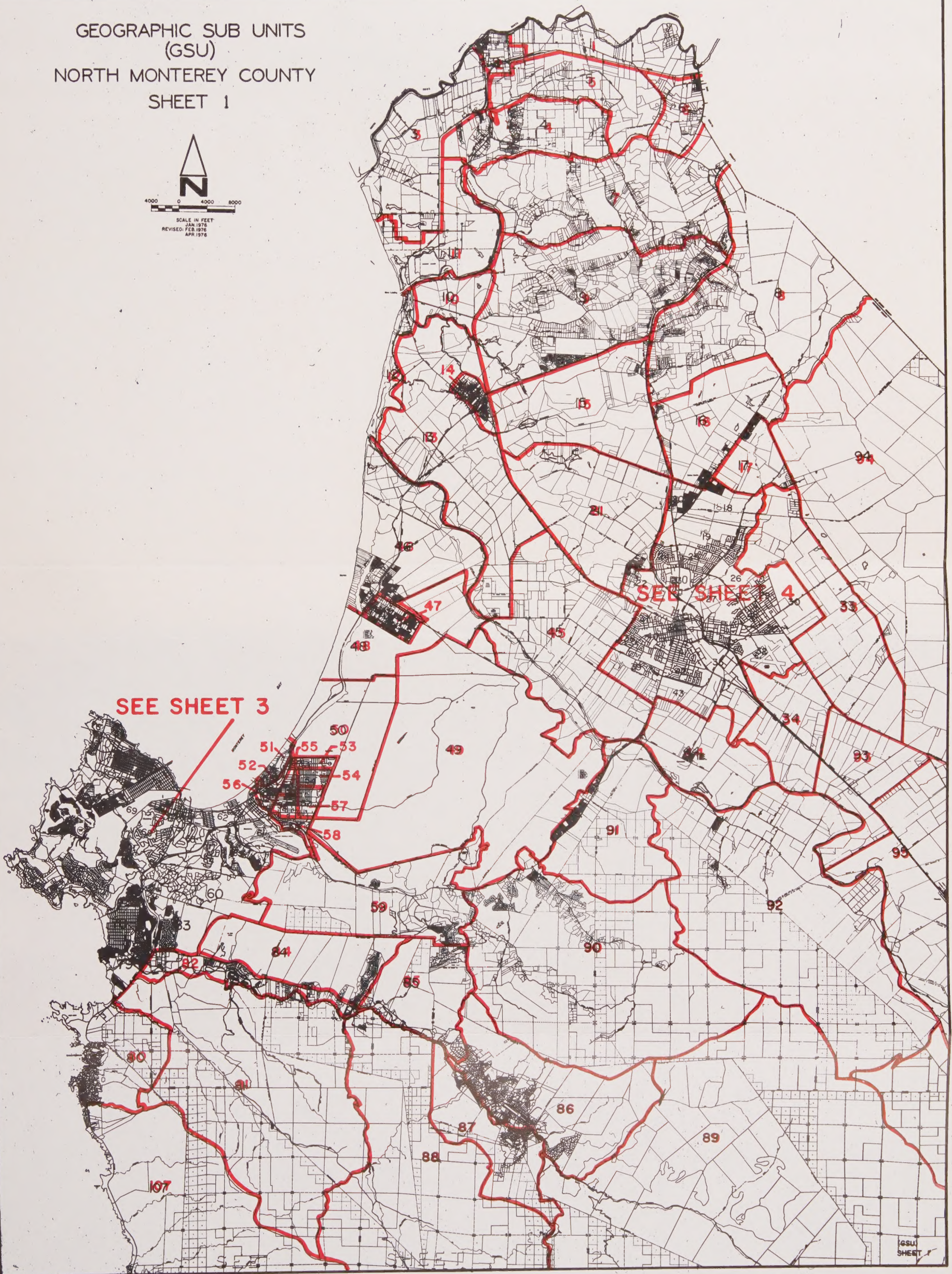
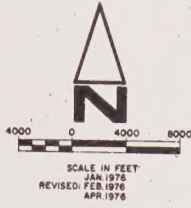
This division of the County results in 109 GSU's. About 90 of these are in the North County area. The original full-size maps of GSU's are available in the Planning Department. A rationale, or description of the boundary details is also available. A table of correspondences between GSU's, Census Tracts and Traffic Zones is in Appendix G. The Planning Department has begun participating in review of Census boundaries for the 1980 Census. Traffic Zone and GSU boundaries will be reviewed concurrently. The cities and the Small Area Data Committee should also review the GSU lines.

C. Environmental Information Directory

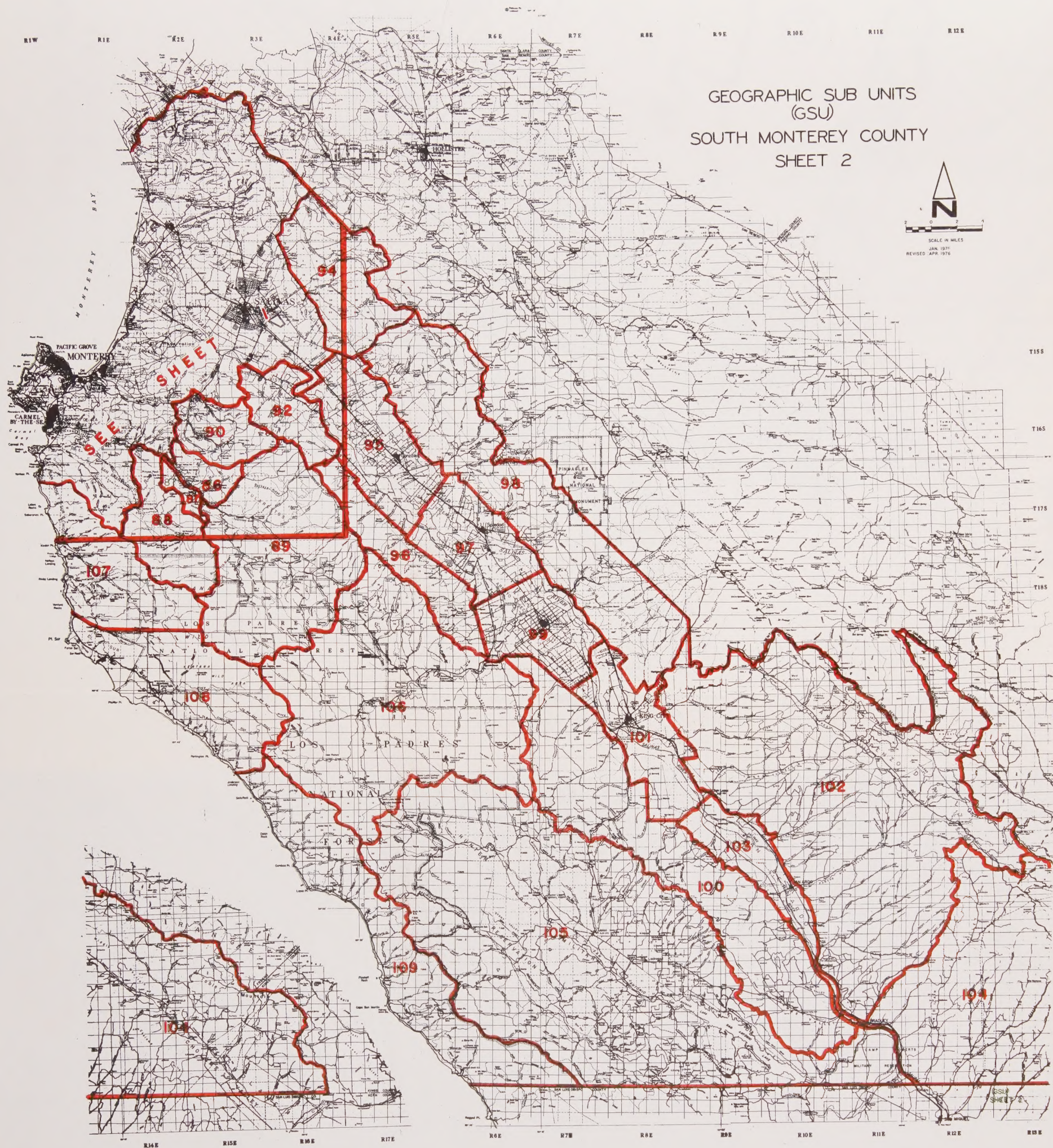
1. Concept

A major phase of the Comprehensive Resource Base and Management Study is the design of a directory of environmental information. This is a major component of Access to information, as shown in Section III, Information System Design.

GEOGRAPHIC SUB UNITS
(GSU)
NORTH MONTEREY COUNTY
SHEET 1



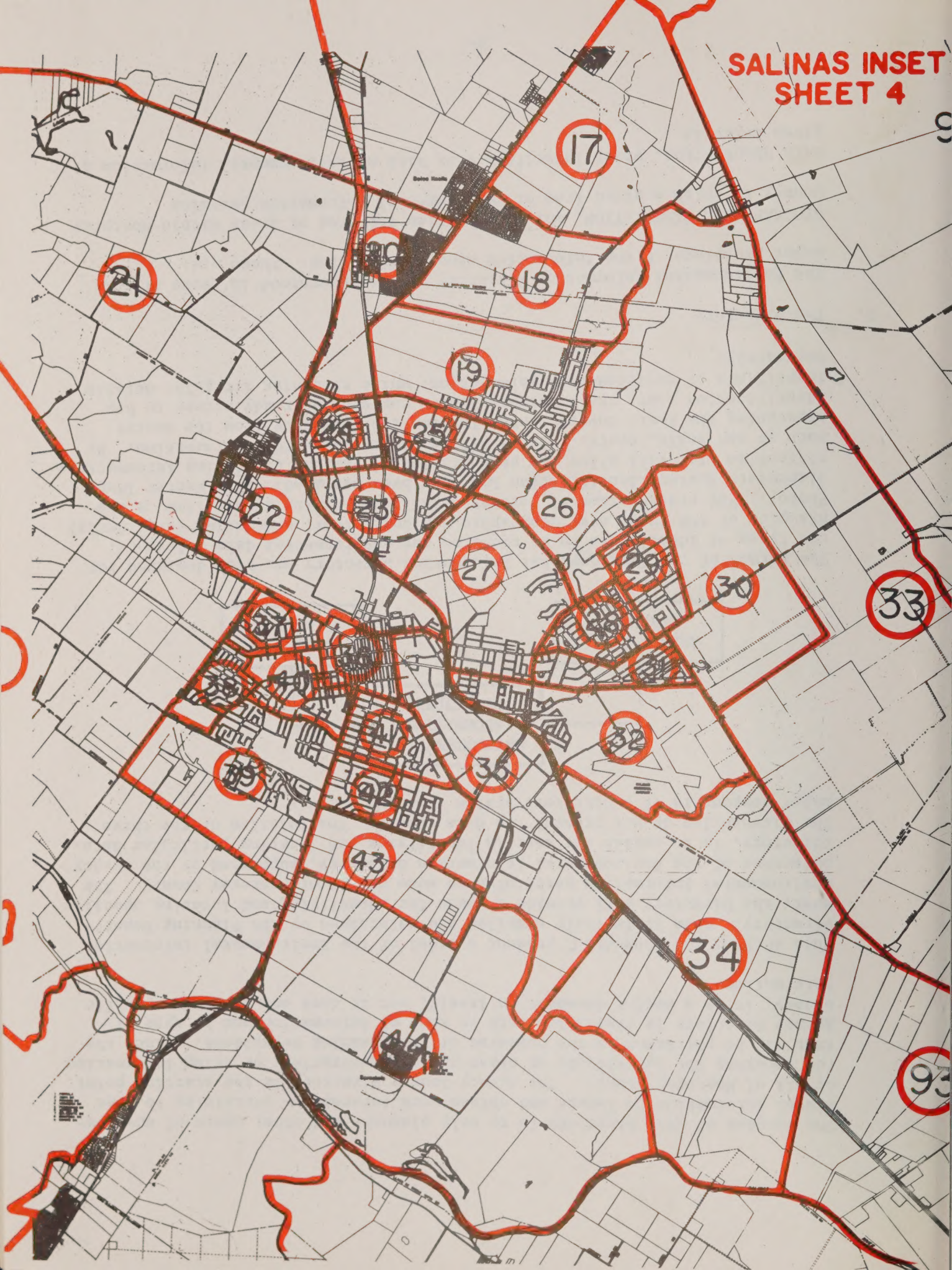
GEOGRAPHIC SUB UNITS
(GSU)
SOUTH MONTEREY COUNTY
SHEET 2



PENINSULA INSET
SHEET 3 BAY

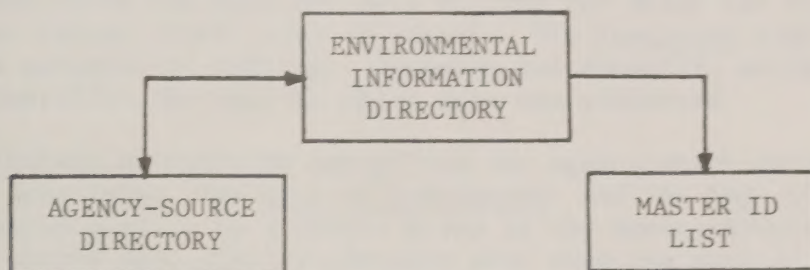


**SALINAS INSET
SHEET 4**



The purpose of this Directory is to help planners and other users of environmental information to locate and obtain such information pertaining to some or all of Monterey County. The Agency-Source Directory is the starting point for locating the individuals or organizations generating, or using information that may be pertinent to the concerns of the Planning Department. Since the Agency Directory is classified both by kind of information and by type of agency, it is a useful document in itself, but it does not identify specific information.

This section and Appendix C present a model of the Environmental Information Directory. When it is fully compiled and maintained by the Planning Department, the Directory will provide a means for identifying and locating specific environmental information pertaining to some or all of Monterey County. The objective of the Environmental Information Directory, supported by the Agency Directory, is to assist the user in identifying and locating particular data. The directories do not present the data itself. The relation of the three major components of a directory system is shown below.



The format of the Environmental Information Directory has been designed for ten types of identifiers to be coded on any environmental data reference. Examples of the types are: Geographic Sub Unit, Year, and Medium (e.g. Aerial Photo). For presentation of further details concerning a data item, a supplementary Master Identification List has been designed. This Master Identification List will allow the presentation of various clarifying information, such as map scale, costs, related EIR or additional author information. By separating the Basic Environmental Information Directory from the Master Identification List, the Directory System can provide ready access to key identifiers of environmental information, while retaining irregular details separately.

2. The Directory

The Environmental Information Directory can be understood in terms of four major groupings of the information about information. These are:

GEOGRAPHICAL DESCRIPTION, which identifies the area or areas within Monterey County to which a given item of environmental information pertains

DATA DESCRIPTION, which identifies what kind of environmental information a given entry is

AGENCY-SOURCE DESCRIPTION, which names the source of the information

LOCATOR INFORMATION, which tells where the information is (including a reference to the Master ID List for further details)

These four major groupings are shown in the diagram of the structure of the Environmental Information Directory on the following page.

The GEOGRAPHIC DESCRIPTION consists of the numeric Geographic Sub Unit (GSU) identifier. As discussed in Section IV.B., the entire County has been divided into 109 GSU's. Thus, any items of information in the Directory will be shown for all GSU's to which it pertains.

The DATA DESCRIPTION consists of four pieces of information about each data item. The Data Category classifies the data item by one or more of 29 categories into which planning and environmental information may be grouped. Examples are agriculture, conservation, housing or vegetation. The Basic Data Unit indicates the smallest unit of area for which the data is collected. Examples are Census Tract, acre or parcel. The Frequency indicates how often the data is gathered or updated. Examples are annually, monthly or once. Currency identifies the year in which data was collected.

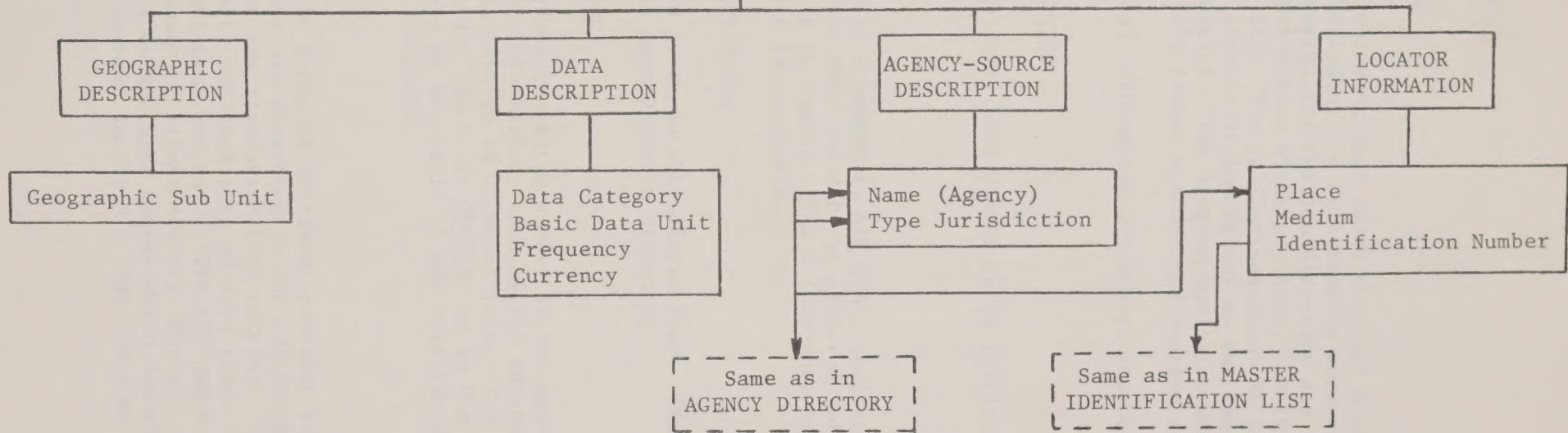
The AGENCY-SOURCE DESCRIPTION identifies the agency which gathered or prepared this data item. The Name of the Source, and the Type of Jurisdiction both correspond exactly to a source entry in the Agency-Source Directory. One agency source may gather or prepare more than one type of data, or more than one product containing environmental data.

The LOCATOR INFORMATION presents the Place by code number, which specifies the location (address) for the data item. This Place code is found in the Agency-Source Directory. The LOCATOR INFORMATION also specifies the Medium, or form in which the data is available. Examples are map, document or punch cards. Finally, the LOCATOR INFORMATION gives an Identification Number which will refer the user to an entry in the Master Identification List for further details.

The format of the Environmental Information Directory is structured to fit on a standard 80-column computer punch card. This allows entries to be incorporated in a computer retrieval system, and served by the Electronic Data Processing Department. The printed information at the top of each punch card allows it to be read by the user. In its key-punched form, the card also can be mechanically sorted and listed, to create selected lists without extensive programming expertise or computer time.

The combination of GSU, Data Category, Place Locator and Master Identification Number constitute a unique entry in the EID. Detailed rules for creating new entries in the EID are presented in Appendix D.

ENVIRONMENTAL INFORMATION DIRECTORY



3. Example: One Entry

The chart on the following page shows the full Directory System for a particular data item, including the relationship between the Agency-Source Directory, the Environmental Information Directory and the Master Identification List. In the Agency-Source Directory line, the IN (Information) Code 18 refers to Air Quality. The JU (Jurisdiction) RG indicates a Regional agency. The NAME identifies the agency as the Monterey Bay Unified Air Pollution Control District. The diagram indicates where in the Environmental Information Directory format a truncated version of the agency name is found.

In the Environmental Information Directory, the codes for the specific data items are:

GEOGRAPHIC DESCRIPTION

The Geographic Sub Unit (GSU) number is 19 (arbitrarily chosen for this example).

DATA DESCRIPTION

The Data Category is a mnemonic, AIR QUAL, indicating Air Quality. The Data Unit, SPA, indicates that the data is gathered for specific areas. The F (Frequency Code) is W, weekly. The C (Currency or year) is 1975, the latest year for which data is available.

AGENCY-SOURCE DESCRIPTION

The agency NAME is given in abbreviated form. The TYPE of jurisdiction, RG, is given as in the Agency-Source Directory.

LOCATOR INFORMATION

The Place, 189, shows the entry number in the Agency-Source Directory for additional locator information, such as the address. The MED (Medium) DO, indicates that the data is in document form. The ID NO (reference to the Master Identification List), is 000016, as in the Environmental Information Directory, followed by the title of the specific data item OXIDANT READINGS, HOURLY, AT POINT LOCATIONS.

4. Example: Access

Two examples of the types of retrieval possible with the Environmental Information Directory are presented in the following pages, along with the appropriate Master Identification List entries. These examples were prepared using a short, selected list of data items that have been identified from Planning Department sources. (The GSU numbers have been arbitrarily assigned for purposes of illustration.) For any entry, the ID column gives the Master Identification List number which describes the reference. Ideally, each document referenced in the MID List would be available in the Planning Department.

THE DIRECTORY SYSTEM

AGENCY SOURCE DIRECTORY

<u>#</u>	<u>SO</u>	<u>IN</u>	<u>JU</u>	<u>NAME</u>
189	01	18	RG	MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DIST

ENVIRONMENTAL INFORMATION DIRECTORY

<u>GSU</u>	<u>DATA CATEGORY</u>	<u>DATA UNIT</u>	<u>F</u>	<u>C</u>	<u>NAME</u>	<u>TYPE</u>	<u>PLACE</u>	<u>MED</u>	<u>ID NO</u>
0019	AIR QUAL	SPA	W	75	MONTEREY BAY UNIF AIR POLL CONTROL	RG	189	DO	000016

MASTER IDENTIFICATION LIST

<u>ID NO</u>	<u>ITEM TITLE, DETAIL</u>
000016	OXIDANT READINGS, HOURLY, AT POINT LOCATIONS

The first listing is an extract arranged by GSU. The 0000 will indicate that this data item provides coverage of the entire County. The latter portion of the first example indicates data items for GSU's of interest. In this listing, note also that the entries for a single GSU are further organized in alphabetical order by Data Category.

The second example of data item retrieval from the Directory is by Data Category, ranging from AGRICULT to WILDLIFE, identifying all GSU's with a data item in a given category. The multiple entries within a Data Category are further classified, in alphabetical order by agency name.

5. Eligible Entries

The detailed set of instructions for preparing an EID entry for a document-in-hand are included in Appendix D, EID Coding Instructions. It is essential to note that the purpose of the Environmental Information Directory is to locate actual data pertaining to Monterey County. IN THIS RESPECT, THE DIRECTORY IS LIMITED TO GEOGRAPHICALLY-BASED INFORMATION PERTAINING TO MONTEREY COUNTY. THE ENVIRONMENTAL INFORMATION DIRECTORY IS NOT A COMPILATION OF ALL PUBLISHED OR OTHERWISE AVAILABLE DOCUMENTS, WHICH IS THE FUNCTION OF A LIBRARY.

Documents which do not present actual "hard" data pertaining to Monterey County are not considered as data entries. Discussions of methods, criteria, state-wide policy or reports from another county are not considered "hard" data pertaining to Monterey County in particular. Information on Monterey County appearing in general documents of State or national coverage is better extracted and reported on a data sheet in the County Data Handbook. For example, the Monterey County rows and columns from tables in the California Statistical Abstract could be so reported.

In general, the test to be applied is, does the candidate data entry specify what is in Monterey County? A strict application of this criterion would have ruled out EID entries for all plan documents, to the extent that they are what is to be more than what is as "hard data". Plans are to be included because they are specific to Monterey County, and are intimately related to environmental information.

A similar problem arises when the what is test is applied to zoning maps. They are more reflective of policy or law than they are of environmental conditions. On the other hand, a case can be made for including them in the EID since they are frequently referred to in the course of planning studies and decisions. Their frequent usage has meant that a system for organizing and referring to them has been established to support day to day operations. In the long range, individual zoning maps might be included in the EID. Since they are somewhat organized and accessible already, their entry should be deferred until the full range of data on other aspects of the County has been obtained and included in the system. A single EID entry referring to all zoning maps as a separate system would be appropriate.

By contrast, the collection of USGS 7½ minute topographic "quad" maps

EXAMPLE LISTING
BY GSU, THEN BY DATA CATEGORY

ENTRY	GSU	DATA CAT	UN	F	YR	NAME	TYP	PLAC	MED	ID
6	0000	AGRICULT	SPA	O	74	PLANNING+RESEARCH OFFICE	CA	463	MP	10
4	0000	ARCH-HIST	PNT	O	73	PARKS+REC DEPT	CA	172	DO	8
16	0000	CIRCULATN	TRZ	Q	74	PUBLIC WORKS DEPT	MC	143	DO	71
17	0000	CIICULATN	TRZ	S	75	CALTRANS DIST 5, TRANS DEPT	CA	220	PC	72
5	0000	FISC ACTIV	PAR	S	75	ASSESSOR'S OFFICE	MC	050	PC	9
14	0000	GEOLOGY	MCO	O	66	MINES+GEOLOGY DIV	CA	211	DO	66
12	0000	HAZARDS	PNT	S	75	ANIMAL CONTROL DEPT	MC	476	PC	58
11	0000	SOIL	MCO	O	73	SOIL CONS SERVICE	US	186	MP	57
15	0000	SOIL	PAR	S	75	SOIL CONS SERVICE	US	186	PC	70
2	0000	VEGETATION	SPA	O	74	FORESTRY DIV	CA	206	MP	2
3	0000	WILDLIFE	PNT	S	75	FISH+GAME DEPT	CA	184	PC	4
25	0000	WILDLIFE	PNT	S	75	ANIMAL CONTROL DEPT	MC	476	PC	58
23	0019	AGRICULT	SPA	O	73	WATER RESOURCES DEPT	CA	266	DO	142
9	0019	AIR QUAL	PNT	W	75	MONTEREY BAY UNIFIED AIR POLLUTION	RG	189	DO	16
10	0019	CLIMATE	PNT	W	75	FEDERAL AVIATION ADMIN	US	248	DO	20
24	0019	WILDLIFE	SPA	O	73	ROBERTS, JAMES A. ASSOC	PV	480	DO	142
21	0056	COASTAL	SPA	O	71	COMP OCEAN AREA PLAN, NAVIGATN DEPT	CA	373	MP	137
1	0056	GEOLOGY	CIT	O	73	MINES+GEOLOGY DIV	CA	118	DO	1
19	0056	GEOLOGY	PAR	O	73	BOWEN, OLIVER E. GEOLOGIST	PV	470	DO	78
13	0056	UTILITIES	CIT	O	72	BROWN+CALDWELL, CONSULTING ENGR	PV	453	DO	64
20	0077	ARCH-HIST	PAR	O	74	EDWARDS, ROB, ARCHAEOLOGIST	PV	492	DO	94
8	0077	HAZARDS	SPA	S	75	ARMY CORPS OF ENGR	US	187	PC	14
7	0077	WATR RESOR	HSA	O	74	WATER RESOURCES DEPT	CA	266	DO	13
18	0077	WATR RESOR	SPA	O	67	ARMY CORPS OF ENGR	US	187	MP	76
26	0078	LAND	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	162
22	0078	VEGETATION	SPA	O	71	COMP OCEAN AREA PLAN, NAVIGATN DEPT	CA	373	MP	137
27	0078	WATR RESOR	HSA	O	74	WATER RESOURCES DEPT	CA	266	DO	13

EXAMPLE LISTING
BY DATA_CATEGORY, THEN BY NAME

ENTRY	GSU	DATA CAT	UN	F	YR	NAME	TYP	PLAC	MED	ID
6	0000	AGRICULT	SPA	O	74	PLANNING+RESEARCH OFFICE	CA	463	MP	10
23	0019	AGRICULT	SPA	O	73	WATER RESOURCES DEPT	CA	266	DO	142
9	0019	AIR QUAL	PNT	W	75	MONTEREY BAY UNIFIED AIR POLLUTION	RG	189	DO	16
20	0077	ARCH-HIST	PAR	O	74	EDWARDS, ROB, ARCHAEOLOGIST	PV	492	DO	94
4	0000	ARCH-HIST	PNT	O	73	PARKS+REC DEPT	CA	172	DO	8
17	0000	CIRCULATN	TRZ	S	75	CALTRANS DIST 5, TRANS DEPT	CA	220	PC	72
16	0000	CIRCULATN	TRZ	Q	74	PUBLIC WORKS DEPT	MC	143	DO	71
10	0019	CLIMATE	PNT	W	75	FEDERAL AVIATION ADMIN	US	248	DO	20
21	0056	COASTAL	SPA	O	71	COMP OCEAN AREA PLAN, NAVIGATN DEPT	CA	373	MP	137
5	0000	FISC ACTIV	PAR	S	75	ASSESSOR'S OFFICE	MC	050	PC	9
19	0056	GEOLOGY	PAR	O	73	BOWEN, OLIVER E, GEOLOGIST	PV	470	DO	78
1	0056	GEOLOGY	CIT	O	73	MINES+GEOLOGY DIV	CA	118	DO	1
14	0000	GEOLOGY	MCO	O	66	MINES+GEOLOGY DIV	CA	211	DO	66
12	0000	HAZARDS	PNT	S	75	ANIMAL CONTROL DEPT	MC	476	PC	58
8	0077	HAZARDS	SPA	S	75	ARMY CORPS OF ENGR	US	187	PC	14
26	0078	LAND	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	162
11	0000	SOIL	MCO	O	73	SOIL CONS SERVICE	US	186	MP	57
15	0000	SOIL	PAR	S	75	SOIL CONS SERVICE	US	186	PC	70
13	0056	UTILITIES	CIT	O	72	BROWN+CALDWELL, CONSULTING ENGR	PV	453	DO	64
22	0078	VEGETATION	SPA	O	71	COMP OCEAN AREA PLAN, NAVIGATN DEPT	CA	373	MP	137
2	0000	VEGETATION	SPA	O	74	FORESTRY DIV	CA	206	MP	2
18	0077	WATR RESOR	SPA	O	67	ARMY CORPS OF ENGR	US	187	MP	76
7	0077	WATR RESOR	HSA	O	74	WATER RESOURCES DEPT	CA	266	DO	13
27	0078	WATR RESOR	HSA	O	74	WATER RESOURCES DEPT	CA	266	DO	13
25	0000	WILDLIFE	PNT	S	75	ANIMAL CONTROL DEPT	MC	476	PC	58
3	0000	WILDLIFE	PNT	S	75	FISH+GAME DEPT	CA	184	PC	4
24	0019	WILDLIFE	SPA	O	73	ROBERTS, JAMES A. ASSOC	PV	480	DO	142

are specific data about what is in a particular location. Hence, each separate map sheet should have an EID entry for each GSU falling on that map sheet.

The data entries in the Directory identify, as far as possible, the primary source of the data. Thus, documents which only use and refer to data from another source are not considered as the primary source. The most frequent instance where this distinction arises is in Environmental Impact Reports. Only those portions which present originally gathered data, such as in technical reports, are eligible for referencing in the EID under one or more technical Data Categories, such as GEOLOGY or VEGETATION. However, the full EIR is the most complete description of what is being placed on a site. Therefore, the entire EIR, once approved as complete, is classified under the Data Category PLANS. (The Data Category PLANS may be renamed PLNS-PROJ in the future to refer to both adopted plans governing an area, and to the approved EIR's on specific projects within an area.)

6. Directory Completion

At present, the Environmental Information Directory contains a compilation of data references identified from the examination of nearly all the County EIR's prepared to date, along with a substantial portion of the significant documents located in the Planning Department. This version of the Environmental Information Directory, and Master ID List associated with it, are presented in Appendix C. The 230 maps and documents indicated in the MID List account for nearly 350 entries in the EID.

This compilation of entries in the EID is not yet an exhaustive list. It does reflect the bulk of the major documents available in the Planning Department. The EID reflects data items that have been used and referred to in various analyses and plans. To the extent that other items of data exist and are available to the Planning Department, they have not been specifically referred to in any of the 250 documents examined.

Completion of the full Directory will require examination of all documents and other sources of "hard" information (data about what is) in the Planning Department, and the hands of those principal agencies in contact with the Planning Department. This initial effort can establish a basic set of entries in the Directory. Through usage, and a policy of continuous updating, the initial body of information in the Directory can be refined over time.

Extension of the EID, to include all references to Data-About-Monterey-County not yet included in the EID, is an early, and major task for implementation in the coming year's program.

V. FINDINGS

This Section presents a summary of conclusions derived from the analysis conducted as a part of this study. The detailed basis for the conclusions is presented in Section VI. ANALYSES.

A. Data Needs

Three general classes of Planning Department responsibilities were identified: Policy, Plan, and Implementation Processes. Each of the Processes was individually considered for its use of each of the 29 Data Categories. Five Processes call for 29 Data Categories as major information needs:

- Land Use Element - Plan
- Area or Master Plans
- Major Project EIR's
- Standard Subdivision
- Standard EIR

The five Data Categories serving the greatest number of Processes are:

- Land
- Interest Groups
- Circulation
- Vegetation
- Water Resources

B. Manual System

The Information System should be primarily a manual system.

1. Of the information compiled for the Environmental Information Directory, sixty percent of all entries are information in document form, and another 36 percent are maps and aerial photographs.
2. Experience shows an average of 24 EIR's per year. Exhaustive a priori collection of Small Area Data is not warranted for this level of demand.
3. The costs (\$200,000 to 500,000) and time (two to five years) for creation of a machine-readable (computer) data base to serve the above demand are not warranted, even if appropriate computer models for environmental analysis existed.

C. Data Levels

Design of the information system distinguishes between two types of information: County Level Data, for which coverage of the entire County is desirable, although it may be more generalized; and Small Area Data, which will be required for projects as large as, for example, areas involved in the larger residential proposals for which EIR's are prepared. County Level Data allows examination of the County-wide significance of an impact, by allowing comparison to other areas of the County. Small Area Data reflects the conditions on and immediately near a site, for examination of the impacts from specific project proposals on the immediate vicinity.

Of the nine largest projects covered by EIR's, three projects have expected population increases greater than one half of one percent of the total 1970 population of the County. Further, three projects involve areas greater than 1000 acres. These figures suggest several criteria for identifying those residential projects to be reviewed for impacts of County-wide significance:

Greater than 1500 persons

Greater than 1000 acres

Greater than $\frac{1}{2}$ of 1% of County baseline figure, e.g., 1970 employment

Such Major Projects will require the use of County Level Data for the project and its environs (the County) as well as Small Area Data for the project and its near vicinity.

The Information System must help identify accumulated impacts. Seventy-two percent of the residential proposals involving EIR's were subdivisions of less than 100 units. Taken together they represent 911 units, or an estimated 2700 persons. That represents one percent of the total 1970 population of the County, which is a significant amount by the criteria above.

DATA DETAIL REQUIRED

<u>Process</u>	Requires Review for Significance	
	<u>County-wide</u>	<u>Small Area</u>
Policies	X	
Plans	X	
Major Project EIR		
- Over Thresholds*	X	X
- Under Thresholds*		X
Standard EIR		X

* Thresholds are 1500 Population, or 1000 Acres, or $\frac{1}{2}$ of 1 % of selected County Baseline Figure for other variables.

D. Data Availability

County-wide, County Level Data was found to be relatively available according to the following table:

RELATIVE AVAILABILITY OF
COUNTY LEVEL DATA (COUNTY-WIDE)
COMPILED FROM THE EID
USING THE 29 DATA CATEGORIES

<u>MOST AVAILABLE</u>	<u>LESSER AMOUNT AVAILABLE</u>	<u>LEAST AVAILABLE</u>
AGRICULTURE	AESTHETICS	EDUCATION
ARCH-HISTORY	AIR QUALITY	ENERGY
CIRCULATION	CLIMATE	HAZARDS
COASTAL	ECON ACTIVITY	HEALTH
CONSERVATION	FISCAL ACTIVITY	INTEREST GROUPS
DEMOGRAPHY	HOUSING	SAFETY
GEOLOGY	RECREATION	SOCIAL
LAND	WATER RESOURCES	UTILITIES
PLANS		WATER QUALITY
SOILS		
VEGETATION		
WILDLIFE		

E. Map Scales

Three scales of maps are recommended. One, providing total County coverage on a single map sheet, will display mostly County Level Data. A second will provide greater detail, and will involve a large number of map sheets. These can contain County Level Data, and Small Area Data for the larger parcels. A third scale is required for Small Area Data of less than 25 acres.

RECOMMENDED MAP SCALES

<u>RATIO</u>	<u>MAP SCALE</u>	<u>COUNTY LEVEL DATA</u>	<u>SMALL AREA DATA</u>
1:125,000	1" = 2 mi	X	
1:12,000	1" = 1000'	X	X
1:6,000	1" = 500'		X

VI. ANALYSES

A. Needs

1. Introduction

The Needs Analysis identified the full range of activities that is the responsibility of the Planning Department, and examined them for the kinds of information, or Data Categories, required to support those responsibilities. In contrast to the needs of this section, the nature of the information available is presented in Section VI.B. The comparison of needs versus availability provided the basis for specifying the structure of the information system described in this report.

At the start of the project, a search of the literature and other documents of the Planning Department was conducted. This provided a familiarization with the problems and concerns of the Department. More specifically it provided the basis for an initial classification of types of information, or Data Categories, covering the range of information uses, applications, or needs in the Department. This classification of Data Categories has been refined during the course of the project. The set of Data Categories used for the needs analysis is the same as that used in the Environmental Information Directory described in Section IV.C.

2. Policy and Plan Processes

One step of the needs investigation addressed the problems of longer-range, advanced planning activities of the Department. These included the Policy and Plan Preparation responsibilities of the Department. Another detailed step was directed to the Department's more current, and more detailed Implementation responsibilities, presented in Section VI.A.3.

The policy-type responsibilities of the Department cover the more generalized concerns of the present and future, affecting the entire County, or affecting a major area or functional portions of the County. Application of Policies however, is not necessarily confined to the longer-term future. The Policy concerns are the least well-defined, in that they reflect only an approximately-formed sense of the emergent problems facing the County. The list used in this needs analysis is not necessarily exhaustive. Rather, it is a sampling of policy-type concerns facing the Planning Department. The Policy categories include, moving from the more generalized to the more specific:

- Resources Use
- Oil-Thermal Energy
- Developments of Regional Impact
- Agricultural Capability Maintenance
- Food and Fiber Production
- Valley Concerns
- Coastal Concerns
- Urban Concerns

North County Development
Large Scale Subdivisions (Policy)
Growth Management
Critical Areas
Key Facilities

The distinction between Policy and Plan for this analysis is that the Plans are the specific adaptation of Policies to a specific space within the County. Plan Processes include, General Plan and General Plan Element Preparation, as required by State law, and such other elements as the County finds necessary. This also includes the formation of area-type Plans for specific portions of the unincorporated parts of Monterey County. This includes the review, approval, and adoption of major private development plans that eventually become part of the system of Area, Master or Community Plans covering the County.

The General and smaller specific plans of the County were examined for the major Policy and Plan concerns therein. This was supplemented by familiarization with other documents in the Department, and by informal interviews with key Department staff.

The applicable Plans are listed in Appendix A, Monterey County Plans. Generalizing from this list, the Plan Processes used in the analysis are:

General Plan
Circulation Element
Housing Element
Land Use Element
Open Space Element
Conservation Element
Scenic Highways Element
Seismic Safety Element
Noise Element
Safety Element
Area or Master Plans

3. Implementation Processes

The ongoing, frequently used or highly specific processes that involve the Planning Department were examined. Before grouping, the list of such Implementation Processes includes:

Standard Subdivision
Minor Subdivision
Zoning Permit
Zoning Variance
Use Permit
Zoning Amendment
Zoning Reclassification
Special Permit
Preparation of Environmental Impact Report (EIR)
Preparation of EIR for Major Projects
Design Approval Request

Petition to Name and Number a Private Road
 Vehicle Abatement
 Grading Permit Requiring Environmental Assessment
 Official Plan Lines
 Formation of a Special District
 Annexation to a Special District
 Incorporation of a City
 Annexation to a City
 Formation of a County Service Area
 Annexation to a County Service Area

The sequence of steps, and the actors involved in each were determined by examining available written procedures, and by interviews with key staff.

For most of the actions listed above, the Planning Department acts as the head Agency. For actions led by other agencies, the Planning Department supplies economic, housing and social data, and contributes to the assessment of significant environmental effects of a proposed project. These actions depend as heavily on various kinds of information and recommendations furnished by the Planning Department, as actions for which the Planning Department has lead responsibility. Thus an additional function of the Planning Department is to serve as a repository of information drawn on by other County departments, agencies and private concerns.

<u>Action</u>	<u>Lead Agency</u>
Grading Permits	Building Inspection Department
Official Plan Lines	Department of Public Works
Formation of a Special District	Local Agency Formation Commission (LAFCO)
Annexation to a Special District	Local Agency Formation Commission (LAFCO)
Incorporation of a City	Local Agency Formation Commission (LAFCO)
Annexation to a City	Local Agency Formation Commission (LAFCO)
Formation of a County Service Area	Board of Supervisors
Annexation to a County Service Area	Board of Supervisors

For the major Implementation Processes, flow charts were prepared to describe the sequence of steps and decision points as each action is carried out. This aided in the identification of those points at which the Planners need information to make a recommendation or decision. Flow charts of major Implementation Processes for which the Planning Department requires information, are presented in Appendix E. A characterization of each Process follows.

a. Standard Subdivision

Standard Subdivision procedure applies to division of a parcel into five or more parcels, any of which is less than forty acres. Condominium and Planned Unit Development (PUD) as well as Conventional Subdivision are subject to this process. A detailed description of County Standard Subdivision Procedure is available from the Planning Department.

The Subdivision Committee, which reviews the Preliminary and Tentative Maps, the Application for Rezoning, and the Assessment of Environmental Effect Form, is comprised of a representative from the following departments.

- Public Works
- Assessor
- Parks and Recreation
- Health
- Flood Control
- Building Inspection
- Planning

The Committee elects a chairman. The Secretary is from the Planning Department, by ordinance. As part of their review, the representatives of the Public Works, Health and Planning Departments make an on-site inspection of the property proposed for development.

As with other procedures where an Environmental Impact Report (EIR) is required, processing of the application unrelated to environmental assessment is held in abeyance while an EIR is prepared and certified. By the "EIR PREPARED" box on the flow chart, action is actually diverted to the chart that depicts "PREPARATION OF ENVIRONMENTAL IMPACT REPORT", a procedure in itself. Note should also be made of the chart "PREPARATION OF ENVIRONMENTAL IMPACT REPORT FOR MAJOR PROJECTS" as it applies to Standard Subdivision.

The small diamond-shaped connector of four processes following the EIR determination step and used again later in this and other charts carries the action from either incoming process to either outgoing process. It allows for alternative combinations of actions, in this case four.

- Negative Declaration Prepared and No Changes Required in Preliminary Map
- Negative Declaration Prepared and Changes Required in Preliminary Map
- EIR Prepared and No Changes Required in Preliminary Map
- EIR Prepared and Changes Required in Preliminary Map

b. Minor Subdivision

Minor Subdivision procedure is applicable to division of a parcel into a) four or fewer parcels, or b) more than four lots if all are at least 40 acres. A detailed description of the County Minor Subdivision Procedure is available from the Planning Department. The Minor Subdivision

Committee comprised of a representative from each department listed above, elects a chairman. By ordinance, the Secretary is from the Planning Department. The Committee initially considers the Minor Subdivision application in relation to its environmental effect. Once an EIR is required, further action is tabled pending its completion.

c. Zoning Administrator/Planning Commission Actions

The flow chart encompasses six actions governed by the Monterey County Zoning Ordinance which are subject to environmental review. The Zoning Administrator hears application for Zoning Permits or Variance and certain Use Permits. Application for other Use Permits, Zoning Amendment or Re-classification and Special Permits are heard by the Planning Commission. Because appeal of the decision on some zoning matters may be made by any aggrieved person as well as by the applicant, the process allows for appeal in the event of every outcome.

d. Preparation of Environmental Impact and

e. Preparation of Environmental Impact Report for Major Projects

While the requirements of environmental review are governed by the California Environmental Quality Act (CEQA), processing of the review is still evolving; thus the presentation of two procedures followed in EIR preparation. They are applicable to projects of different magnitudes where information needs are scaled to anticipated environmental effects. These charts detail the procedure signified by the "EIR PREPARED" boxes on other flow charts. The County has set out its general EIR procedure in a written description available from the EIR Section, Planning Department.

f. Design Approval Request

Design approval is required only in zoned Design Control Districts, and environmental review is not specified. Nonetheless, the procedure is noteworthy because of the role of the Local Advisory Committee in supplying information to the decision.

g. Petition to Name and Number a Private Road

Petitions for such action are frequently submitted for transitional or rural areas of the County. The action is not subject to environmental assessment.

h. Vehicle Abatement (not charted)

The Planning Department receives complaints regarding abandoned vehicles and processes their removal. To identify the vehicle owner, a search is run on the California Law Enforcement Teletype System. To identify the owner of the property where the vehicle is abandoned, the Assessor's Parcel Books are consulted. Either owner is notified to make arrangements for abatement. The owner can request a public hearing by the Board of Supervisors.

i. Grading Permit Requiring Environmental Assessment

Depending upon excavation and embankment limits specified by EIR guidelines, application for a grading permit may fall under environmental review. The flow chart presents grading permit procedure only for this eventuality. With actions such as grading or building permit issuance led by departments other than Planning, an assessment of significant environmental effects is often carried out at an earlier stage of the project. In these cases, a second assessment at a later stage becomes redundant.

j. Official Plan Lines (not charted)

Official Plan Lines are set to establish potential widening area along the right-of-way of County roads. The action is led by the Department of Public Works which gathers and prepares information for the process. Planning Department involvement is as staff to the Planning Commission which holds a public hearing to consider proposed Plan Lines.

k. Formation of a Special District, Incorporation, or Annexation to a Special District or a City

Actions by LAFCO wherein present and future growth is evaluated have comprehensive information needs. In environmental review of applications submitted to LAFCO, the Planning Department staff serves as staff to LAFCO.

l. Formation of, or Annexation to a County Service Area

County Service Areas may be formed to provide any of a number of public services or as a backup to uncertain provision of services. Whether requests to the Board of Supervisors are for actually functioning or inactive service areas, environmental assessment is made and supplies information to the final decision.

4. Processes Versus Data Categories

The previous sections identified the Policy, Plan and Implementation Processes which are the concern of the Planning Department. The study next required a fuller understanding of the basic data requirements of each Process. Each of the Processes was individually considered for its use of each of the 29 Data Categories. (The full list of Data Categories is shown in the following charts.) It is of course recognized that, in some direct or indirect fashion, all of the Data Categories are related to all of the Processes.

The need to make choices in the course of information system design is dictated by limits on costs and level of effort available to support an information system. Only the Data Categories which provide critical, essential information for a given process, were considered primary information in the charts discussed below.

The following three charts present in matrix form the comparison of Processes against the Data Categories. An entry is made in any intersection of Process with a Data Category, when there is a major information need of a Data Category and for a specific Process. Thus only primary information needs have a cell entry.

An example will illustrate the chart entries, and the distinction between primary and secondary information needs. On the Data Needs of Plan Processes (Plans versus Data Categories) chart, the Conservation Element Process has cell entries for 14 of the 29 Data Categories. Water Resources is a major information need associated with the Conservation Element, and an entry is made. In contrast, the Circulation Data Category has no entry, indicating the secondary, lesser, or more indirect significance of circulation information for the Conservation Element. For the Conservation Element row, the Data Categories are checked or not checked as follows:

<u>PRIMARY</u> <u>(An entry is made)</u>	<u>SECONDARY</u> <u>(No entry)</u>
LAND	CIRCULATION
INTEREST GROUPS	DEMOGRAPHY
VEGETATION	PLANS
WATER RESOURCES	RECREATION
SOIL	HAZARDS
WILDLIFE	ECONOMIC ACTIVITY
AGRICULTURE	UTILITIES
AESTHETICS	SAFETY
CONSERVATION	GEOLOGY
ENERGY	HOUSING
COASTAL	CLIMATE
WATER QUALITY	FISCAL ACTIVITY
ARCHEOLOGY-HISTORY	HEALTH
	SOCIAL

Close inspection of any row will indicate the primary and secondary classes of Data Category for that Process. Examination of any column will indicate, for a given Data Category, all of the Processes having a need for that type of information.

5. Analysis of Needs

The three matrix charts presenting the information needs as Processes versus Data Categories were examined to determine the relative priority of various Data Categories to support various Processes. For this kind of analysis of a matrix, a common practice is to assign varied weights to each cell entry, to reflect comparative significance of Processes or Data Categories. However, an equal-weights approach was used in this analysis due to the weaknesses of the variable weighting method.

DATA CATEGORIES

	LAND	INTRST GRS	CIRCULATN	VEGETATION	WATR RESOR	DEMOGRAPHY	PLANS	SOIL	RECREATION	HAZARDS	ECON ACTIV	UTILITIES	SAFETY	WILDLIFE	AGRICULT	AESTHETICS	CONSERVATN	GEOLOGY	HOUSING	CLIMATE	ENERGY	COASTAL	WATR QUAL	PISC ACTIV	ARCH-HIST	HEALTH	EDUCATION	AIR QUAL	SOCIAL
RESOURCES USE	X	X		X	X			X						X			X			X	X	X			X			X	
OIL/THERM ENERGY	X	X									X							X			X								
DEVTS OF REG'L IMPACT	X	X	X		X		X		X		X				X		X		X		X	X		X					
AGRIC CAPAB MAINT	X	X		X	X			X			X				X		X			X				X					
FOOD + FIBER PRODUCTION	X	X		X	X			X			X				X						X		X						
VALLEY CONCERNS	X	X	X	X	X	X					X	X		X	X					X			X						
COASTAL CONCERNS	X	X	X	X				X	X					X		X	X	X		X		X	X						
NO COUNTY DEV/URBAN CON	X	X	X	X		X	X	X	X	X	X	X		X	X	X		X	X					X	X		X		
LG SCALE SUBDIV	X	X	X	X	X	X	X	X	X			X	X	X		X		X	X					X	X		X		
GROWTH MANAGEMENT	X	X	X		X	X	X				X	X			X		X		X		X			X					
CRITIGAL AREAS	X	X		X	X			X		X			X	X		X	X	X		X		X	X		X				
KEY FACILITIES	X	X	X		X	X	X			X	X	X	X								X								

X - INDICATES BASIC DATA NEED

DATA NEEDS OF POLICY PROCESSES

DATA CATEGORIES

	LAND	INTRST CRS	CIRCULATN	VEGETATION	WATR RESOR	DEMOGRAPHY	PLANS	SOIL	RECREATION	HAZARDS	ECON ACTIV	UTILITIES	SAFETY	WILDLIFE	AGRICULT	AESTHETICS	CONSERVATN	GEOLOGY	HOUSING	CLIMATE	ENERGY	COASTAL	WATR QUAL	FISC ACTIV	ARCH-HIST	HEALTH	EDUCATION	AIR QUAL	SOCIAL
CIRCULATION ELEMENT	X	X	X			X	X		X		X				X				X		X							X	X
HOUSING ELEMENT	X	X	X			X	X		X		X		X		X	X			X							X	X		X
LAND USE ELEMENT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OPEN SPACE ELEMENT	X	X		X	X			X	X	X				X	X	X	X	X				X			X				
CONSERVATION ELEMENT	X	X		X	X			X						X	X	X	X				X	X	X		X			X	
SCENIC HIGHWAYS ELEM	X	X	X	X					X					X		X				X		X							
SEISMIC SAFETY ELEM	X	X	X			X	X			X		X	X					X	X							X			
NOISE ELEMENT	X	X	X	X		X			X	X	X				X	X				X						X			
SAFETY ELEMENT	X	X	X		X	X		X	X	X	X	X	X					X	X				X			X		X	
AREA OR MASTER PLANS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

X - INDICATES BASIC DATA NEED

DATA NEEDS OF PLAN PROCESSES

DATA CATEGORIES

	LAND	INTRST GRS	CIRCULATN	VEGETATION	WATR RESOR	DEMOGRAPHY	PLANS	SOIL	RECREATION	HAZARDS	ECON ACTIV	UTILITIES	SAFETY	WILDLIFE	AGRICULT	AESTHETICS	CONSERVATN	GEOLOGY	HOUSING	CLIMATE	ENERGY	COASTAL	WATR QUAL	FISC ACTIV	ARCH-HIST	HEALTH	EDUCATION	AIR QUAL	SOCIAL
FORM. SD., INCORP, ANNEX.	X				X	X	X		X	X		X	X				X						X	X			X		
FORM, ANNEX TO CSA	X					X				X		X	X											X					
MAJOR PROJ EIR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STANDARD SUBDIV	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MINOR SUBDIV	X		X	X	X	X	X	X	X	X		X	X	X					X					X		X			
EIR-STANDARD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GRADING PERM-ENV ASSESS.	X						X	X		X			X				X	X											
ZONING ACTIONS	X						X			X		X	X													X			
PETITION PRIV ROAD	X		X				X																						
DESIGN APPROVAL	X			X												X													

X - INDICATES BASIC DATA NEED

DATA NEEDS OF MAJOR IMPLEMENTATION PROCESSES

Two considerations are involved in a variable weighting approach. First, the relative frequency that a given process is used reflects greater importance on the day-to-day, current operations of the Department. Secondly, relative importance as a subjective assessment of the priority to be given to various processes is assigned. Such an assignment reflects the broader scope, and more future-oriented concerns of the Policy or Plan processes. For this analysis, the relative significance of all cell entries was made equal. The assignment of equal weight to all cell entries recognizes the balancing, or cancelling tendency involved in low frequency processes with greater importance, compared to high frequency processes with lesser importance. An additional advantage of the equal weighting approach is avoidance of the pitfalls of subjectively-determined relative importance.

The three Process versus Data Category charts shown previously were combined into a single matrix of 32 Processes and 29 Data Categories. The cell entries were totaled for each Process and for each Data Category. The two following charts present the results.

On the first chart, Summary of Need for Data Categories by Processes, the Processes are arranged in order from those requiring the greatest number of Data Categories to those requiring the fewest. Five of the Processes call for all 29 Data Categories as major information needs:

- Land Use Element
- Area or Master Plans
- Major Project EIR's
- Standard Subdivision
- Standard EIR

The Processes with the next largest count of Data Categories are:

- North County/Urban Concerns
- Large Scale Subdivision Policy
- Safety Element - Plans
- Critical Areas Policy
- Minor Subdivision Policy

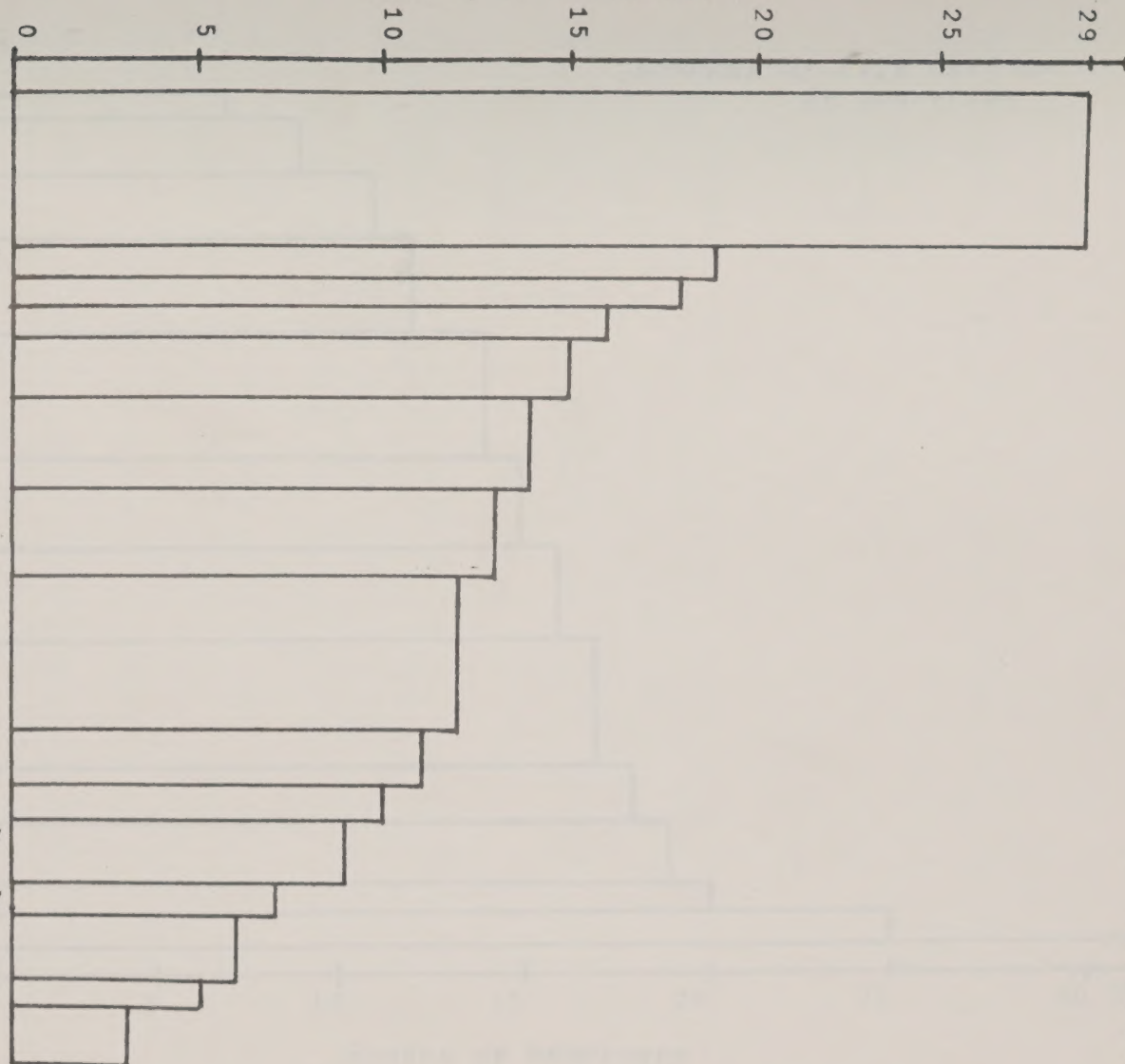
At the other extreme, the Processes with the fewest number of Data Category needs include:

- Design Approval - Implementation
- Petition to Name a Private Road - Implementation
- Oil-Thermal Energy Policy
- Zoning Actions - Implementation

The next chart, Summary of Data Categories Used by Processes presents the ranking of Data Categories by the number of Processes each is required to serve. The five Data Categories serving the greatest number of Processes are:

NUMBER OF DATA CATEGORIES
NEEDED IN A PROCESS

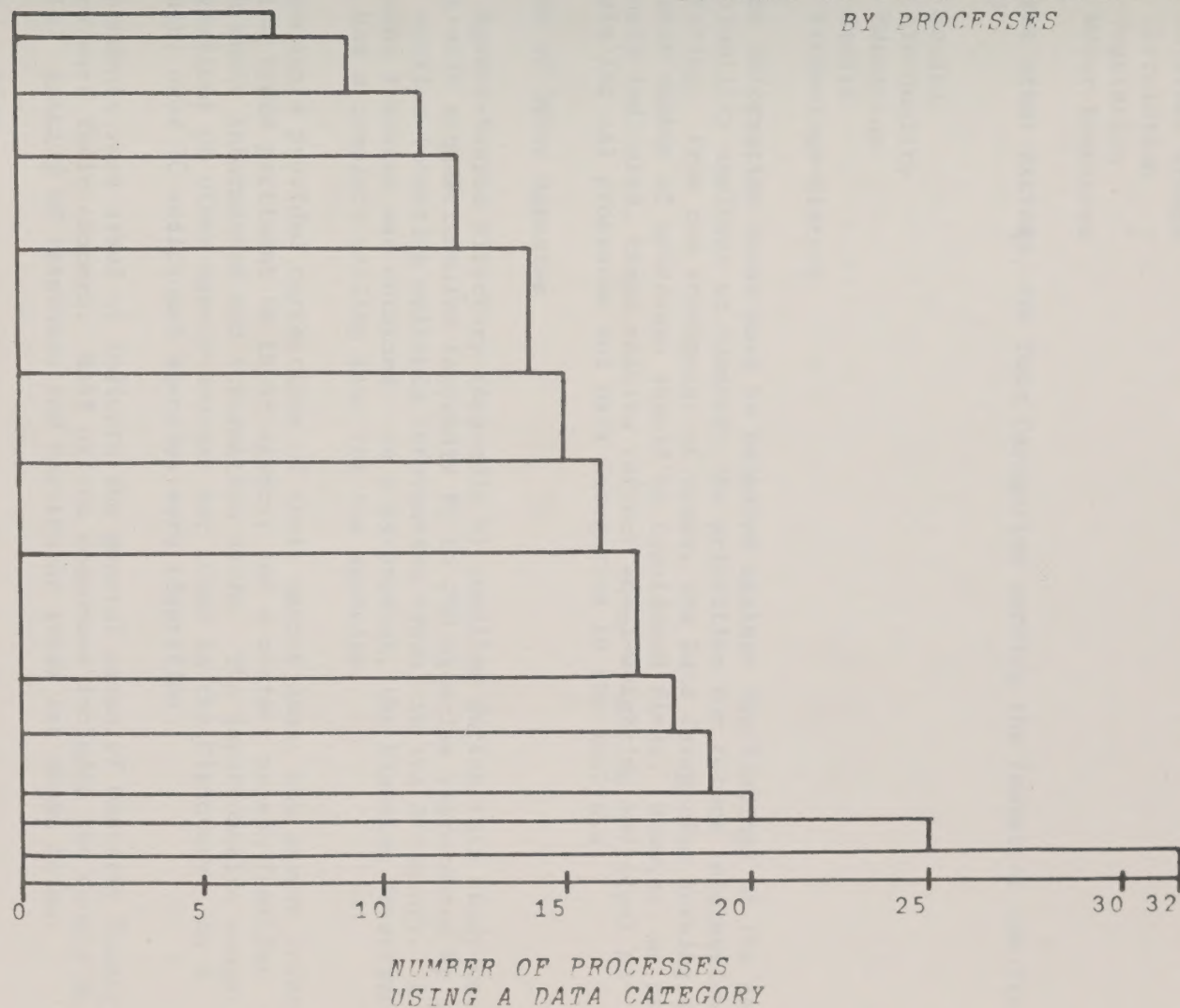
LAND USE ELEMENT
AREA OR MASTER PLANS
MAJOR PROJ EIR
STANDARD SUBDIV
EIR-STANDARD
NO COUNTY DEV/URBAN CON
LG SCALE SUBDIV
SAFETY ELEMENT
CRITICAL AREAS
MINOR SUBDIV
HOUSING ELEMENT
OPEN SPACE ELEMENT
CONSERVATION ELEMENT
DEVTS OF REG'L IMPACT
COASTAL CONCERNS
GROWTH MANAGEMENT
RESOURCES USE
VALLEY CONCERNS
CIRCULATION ELEMENT
NOISE ELEMENT
FORM. SD., INCORP. ANNEX.
KEY FACILITIES
SEISMIC SAFETY ELEM
AGRIC CAPAB MAINT
FOOD + FIBER PRODUCTION
SCENIC HIGHWAYS ELEM
GRADING PERM-ENV ASSESS
FORM. ANNEX TO CSA
ZONING ADMIN ACTION
OIL/THERM ENERGY
PETITION PRIV ROAD
DESIGN APPROVAL



SUMMARY OF NEED FOR DATA CATEGORIES
BY PROCESSES

DATA CATEGORIES

SOCIAL
 AIR QUAL
 EDUCATION
 HEALTH
 ARCH-HIST
 WATR QUAL
 COASTAL
 CLIMATE
 FISC ACTIV
 ENERGY
 HOUSING
 GEOLOGY
 CONSERVATION
 AESTHETICS
 WILDLIFE
 AGRICUL
 SAFETY
 UTILITIES
 ECON ACTIV
 HAZARDS
 RECREATION
 SOIL
 PLANS
 DEMOGRAPHY
 WATR RESOR
 VEGETATION
 CIRCULATN
 INTRST GRS
 LAND

SUMMARY OF DATA CATEGORIES USED
BY PROCESSES

Land
Interest Groups
Circulation
Vegetation
Water Resources

At the other extreme, the Data Categories serving the fewest of the Processes are:

Social
Air Quality
Education
Health
Archeology-History

These information needs must be balanced against the findings of the data availability analyses to identify the priorities for future information gathering. From the standpoint of needs, the Data Categories serving the greater number of processes should be considered first. However, as previously indicated, these results reflect equal-weighting and equal emphasis for all processes and Data Categories in the analysis.

6. Needs of Other Agencies

The Agency-Source Directory (Appendix B) compiled during this study was sent with a questionnaire (Appendix F) to 290 agencies represented by the 372 entries (covering multiple information types) in the Directory. A 58 percent response was obtained. As a by-product, the Planning Department now has a complete mailing list for the agencies.

Respondents provided corrections of their agency name; the proper information types pertinent to their agency; and a contact person familiar with their information and information needs. The questionnaire sought suggestions of other agency-sources not found in the Directory. As a result, over 70 additional agencies were identified.

Respondents were asked to indicate the general areas of Monterey County which were their concern. Half of the responses included the County as a whole. Ranking of responses for particular areas are shown below.

<u>Rank</u>	<u>Area</u>
1	Coast
2	Peninsula
3	Unincorporated Areas
4	Salinas Valley (tie)
4	South County (tie)
5	North County
6	Forest

Using 27 Information Types, the respondents were asked (Question 2) to check those for which: a) We Gather Primary Data On; b) We Use/Need Data; c) We are Interested In. This provided a profile of the areas of information concern by other agencies. Tabulation of the responses by information type provided the rankings shown in the following table, with a rank of 1 being the most frequently checked. For all three columns (Gather, Need, Interest), the highest third of the information types chiefly reflect information about human activity, whereas the middle third primarily reflect information about natural conditions. The concerns of the 168 responding agencies involve better information about products of human activity as well as about natural environmental conditions. The Information System is designed to accommodate socio-economic as well as environmental information. When the change in rank from one column to the next is examined, the most significant finding involves those information types with the greatest rank change. The five information types below have changes from 6 to 20 places, when the We Gather column is compared to the We Use/Need column.

POPULATION
ZONING
ECONOMY
AIR QUALITY
CLIMATE

Most notably, Population, Zoning and Economy all are found in the top third of We Use/Need list, but the bottom third of the We Gather list. Hence there are many users of this information, but few gatherers. This suggests that the gatherers of these information types especially should consider whether the available information is reaching a sufficiently wide audience. These are prime candidates for initial summaries in the County Data Handbook.

For any one information type, there were an average of 25 respondents (15 percent of all respondents) checking Use/Need column. Nearly half of all respondents checked more than one information type for one or more of the columns (Gather, Need, Interest). Among the multiple users, a median of four information types were checked. Generalizing, half of the respondent agencies need information from four of the 27 types listed. The County Data Handbook should ultimately make available some information in each of the Data Categories, and should be widely distributed to assist other agencies, which also have a range of information needs.

The questionnaire asked what mapped environmental information would be useful if it were available. There were 154 such requests for maps. They were made by one third of the respondents, who named a median value of two maps each. Half of the map requests were in the following six information types:

<u>Information Type</u>	<u>Requests</u>	<u>Information Type</u>	<u>Requests</u>
Land	22	Hazards	11
Demography	13	Geology	10
Water Resources	13	Vegetation	10

RANK ORDER OF INFORMATION TYPES
(1 = most frequently checked)

<u>Rank</u>	<u>We Gather Pri- mary Data On</u>	<u>We Use/Need Data On</u>	<u>We Are Inter- ested In</u>
1	FACILITIES	FACILITIES	FACILITIES
2	UTILITIES	UTILITIES	UTILITIES
3	SURFACE WATER	POPULATION	PLANS
4	CONSERVATION	LAND USE	LAND USE
5	CIRCULATION	CONSERVATION	POPULATION
6	GROUNDWATER	PLANS	SURFACE WATER
7	COASTAL	SURFACE WATER	ECONOMY
8	LAND USE	ZONING	ZONING
9	PLANS	ECONOMY	CIRCULATION
10	ARCHEOLOGY/HISTORY	SOILS	CONSERVATION
11	GEOLOGY	GROUNDWATER	HOUSING
12	OTHER	CIRCULATION	ARCHEOLOGY/HISTORY
13	NOISE	COASTAL	GROUNDWATER
14	HOUSING	CLIMATE	CLIMATE
15	SOILS	ARCHEOLOGY/HISTORY	NOISE
16	VEGETATION	GEOLOGY	COASTAL
17	WILDLIFE	AIR QUALITY	SOILS
18	HAZARDS	VEGETATION	AIR QUALITY
19	ECONOMY	HOUSING	GEOLOGY
20	CLIMATE	NOISE	VEGETATION
21	ZONING	HAZARDS	AGRICULTURE
22	SOCIAL WELFARE	WILDLIFE	WILDLIFE
23	POPULATION	AGRICULTURE	HAZARDS
24	AGRICULTURE	SEISMOLOGY	OTHER
25	AIR QUALITY	OTHER	SEISMOLOGY
26	SEISMOLOGY	SOCIAL WELFARE	SOCIAL WELFARE
27	AESTHETICS	AESTHETICS	AESTHETICS

The complete ranked list of maps requested is included in Appendix F. In Section VI.B.8, these needs of other agencies are compared to the mapped data found during analysis of the Environmental Information Directory.

B. Data

1. Introduction

The first application of the Environmental Information Directory and the Master ID List was for analysis of the characteristics of data used by the Planning Department. As indicated in Section IV.C., Environmental Information Directory, the present EID includes all data references obtained from nearly 250 documents held by the Planning Department. While it is not an exhaustive list, it was judged sufficiently representative of available information-about-Monterey-County to perform the necessary analyses.

The features of the EID used for these analyses give a useful illustration of varied retrieval uses of the EID and MID. A sorting and listing of the EID grouped by the Medium field (MED) enabled a count of documents, of maps, etc. to be made easily for the data in Section VI.B.3., Information Media. When the Master ID Number (ID) for each Map (MP) reference was checked, Section VI.B.7. Map Scale Analysis was possible.

A sorting and listing of the EID by Geographic Sub Unit (GSU) provided a grouping of all references which cover the entire County (GSU of "0000"). This list was further sorted to provide a grouping of those County-wide references by Data Category (DATA CAT) to permit the analysis of availability of County-wide data in each category, in VI.B.4., County Level Data.

2. Data Concepts

In Section VI.A., Needs, 32 separate Processes involving the Planning Department were considered in relation to 29 Data Categories covering the range of information required for those Processes. As the data needs of each Process are examined, a significant distinction emerges.

The degree of detail that is required for consideration of a Policy is significantly less, in most cases, than the degree of detail required for adequate treatment in an Implementation process. The information detail at a Policy level is quite generalized; highly specific information is needed for Implementation processes; Plan processes fall somewhere in between. The detail required is outlined below.

REQUIRED DETAIL OF DATA

POLICY: Generally broad coverage, ranging from County-wide to large segments of the County, to specific areas widely distributed.

PLANS: Ranging from County-wide, to Geographic Units such as Census Tracts or Traffic Zones

IMPLEMENTATION: Generally Parcel-level detail

Five of those Processes were found to require some form of information from all 29 of the Data Categories. The remaining Processes call for information from fewer Data Categories, ranging from 19 to 3. The "most demanding" five Processes are listed below.

PROCESSES REQUIRING ALL
29 DATA CATEGORIES

<u>Process</u>	<u>Type</u>	<u>Data Detail</u>
Land Use Element	Plan	Broader County Level Coverage
Area or Master Plans	Plan	Broader County Level Coverage
Major Project EIR	Implementation	Specific, Small Area Data
Standard Subdivision	Implementation	Specific, Small Area Data
Standard EIR	Implementation	Specific, Small Area Data

Two levels of Data Detail are required to serve these Processes. The first two Processes generally call for information which sheds light on the significance of a proposal to the overall County. The data requirements associated with this are County-wide coverage, of a more generalized nature. The three Implementation Processes on the other hand, are usually concerned with much smaller areas of the County, and with impact of a less than County-wide significance. The data requirements for these Processes are more localized but more highly specific, examining in greater detail the character of the parcel or parcels in question.

The Implementation Process "Major Project EIR", has information requirements of both kinds of Data Detail: because it is a specific project, specific small area data is required; because it is a major project, its impacts are likely to be of County-wide significance, calling for examination of data with County Level coverage.

Design of the information system distinguishes between these two types of information: County Level Data, for which coverage of the entire County is desirable, although it may be more generalized; and Small Area Data, which will be required for projects as large as, for example, areas involved in the larger residential proposals for which EIR's are prepared. County Level Data allows examination of the County-wide significance of an impact, by allowing comparison to other areas of the County. Small Area Data reflects the conditions on and immediately near a site, for examination of the impacts from specific project proposals on the immediate vicinity.

3. Information Media

The following table shows the proportion of EID entries which are found as documents, maps, etc.

DISTRIBUTION OF
EID ENTRIES BY MEDIUM

		DOCUMENTS	MAPS + AERIALS	OTHER	TOTAL
COUNTY LEVEL	#	91	45	10	146
DATA	%	62	31	7	
SMALL AREA	#	116	78	3	197
DATA	%	59	40	1	
ALL DATA	#	207	123	13	343
	%	60	36	4	

Sixty percent of all entries are information in document form. Maps and aerial photographs constitute another 36 percent of all entries. The available information, and that which may become available in the near future will be in document or map form. The information system must accommodate this, even if some data items are converted into machine-readable form (punched cards or magnetic tape for computer) in the future. The primarily manual, human features of the INFORMATION SYSTEM DESIGN presented in Section III are geared to this.

4. County Level Data

A working definition of County Level Data is that it is information which pertains to and covers the entire County, distinguishing among a limited number of broad areas and classifications. It may be aggregated from the smaller areas and more numerous classifications within the smaller portions of the County. The more usual case is that no finer detail of data has been compiled.

The availability of County Level Data was evaluated using all EID entries with GSU Code "0000". The MID text and/or the documents themselves were examined for data descriptions and a count of entries in each Data Category as made. Appendix F presents a Summary and the Detail of Data Availability on a County-wide basis. The estimated adequacy, using evaluation of the descriptions and documents count, is presented in the following table of relative availability.

RELATIVE AVAILABILITY OF
COUNTY LEVEL DATA (COUNTY-WIDE)
COMPILED FROM THE EID
USING THE 29 DATA CATEGORIES

<u>MOST</u> <u>AVAILABLE</u>	<u>LESSER</u> <u>AMOUNT</u> <u>AVAILABLE</u>	<u>LEAST</u> <u>AVAILABLE</u>
AGRICULTURE	AESTHETICS	EDUCATION
ARCH-HISTORY	AIR QUALITY	ENERGY
CIRCULATION	CLIMATE	HAZARDS
COASTAL	ECON ACTIVITY	HEALTH
CONSERVATION	FISCAL ACTIVITY	INTEREST GROUPS
DEMOGRAPHY	HOUSING	SAFETY
GEOLOGY	RECREATION	SOCIAL
LAND	WATER RESOURCES	UTILITIES
PLANS		WATER QUALITY
SOILS		
VEGETATION		
WILDLIFE		

It is necessary to note that this assessment pertains to County Level Data, necessary for the more generalized policy and plan, and a portion of Implementation requirements; it is not an assessment of the adequacy of Small Area Data for EIR and detailed Implementation purposes.

Where the emerging Policy and Plan Process concerns are primarily in the areas of Generally Adequate County Level Data, the impact or implications for the County can be supported by the available information. However, to the extent that emerging Policy and Plan concerns touch on areas for which County Level data is lacking, analysis of the impacts may be weak. This can hamper the identification of appropriate responses to such problem areas.

A comprehensive understanding of all impacts of Policy and Plan concerns requires that information in all Data Categories be considered. The adequacy, or lack of information, in the various Data Categories gives rise to two observations:

- Data Categories with generally adequate information reflect the areas of priority attention given by the Planning Department to the present.
- Data Categories for which information is lacking in the Planning Department tend to be those areas for which planning is conducted by other departments or agencies.

The necessary information may well already exist, although it may not be presently available to the Planning Department in a usable form. As new Policy and Plan concerns arise in the coming years, analysis of their impacts will require information from all Data Categories.

These observations have several implications for the Information System to support the Planning Department. First, an improved means for adequate referencing of data sources that are used is necessary; this will assure that available information sources become known.

Second, information compiled by other agencies, appropriate to the needs of the Planning Department may not be reaching the Department; identification of the source agencies, and specification of the Planning Department needs for such information is necessary.

Third, for agencies where contact and awareness of the Planning Department needs already exist, contact and information gathering in greater depth may be necessary.

Fourth, original collection of data is warranted only when information is unavailable through the above three means, and then only if the costs warrant such original gathering.

Exotic information gathering and management arrangements cannot provide what must become available through simpler means. Information to support Planning Department needs requires adequate contact over time with the appropriate agencies. The Planning Department Information System is structured to support this requirement. For example, the Associate Planner (Data Acquisition) is to be in sustained contact with other agencies, to obtain information and is to coordinate the adoption of standards for gathering, reporting and referencing of data. Among other purposes served, these activities assure the improvement of data availability.

5. Small Area Data

A working definition of Small Area Data is that it is information which pertains to a small proportion of the County, generally a limited number of average-size parcels of land. It reflects a closer examination of a site, sufficient for evaluation of the impacts of a specific project on the site and its immediate vicinity.

As discussed in Section VI.A., Needs, the requirement for Small Area Data arises from the responsibility of the Planning Department for the Implementation Processes. The EIR Process places the most wide-ranging demand for Small Area Data, calling for some minimum of information from each of the Small Area Data categories.

The collection of the Small Area Data necessary for EIR's is arranged for, or actually gathered by, the Planning Department. For certain Data Categories, specialists are retained for portions of the EIR's. Some operating agencies, such as the Flood Control and Water Conservation District, regularly furnish information for the preparation of the EIR's. Small Area Data is available for only a few areas in the County, chiefly those for which EIR's have been prepared. Even then, such data usually covers only the area within the project boundaries: a narrow interpretation of the word "environment". To the extent that information is available, the Environmental Information Directory will serve to locate such Small Area Data as is available. The Geographic Sub Unit coding feature will help to identify Small Area Data that exists for at least the vicinity of a site.

Obtaining comprehensive Small Area Data covering even the significant portions of the County presents not only a problem of dealing with extremely large volumes, but also of extremely large expense. Accumulation of the Small Area Data at an adequate level of detail would involve compilation of data on maps of about 1" = 500'; at this scale, approximately 400 maps of 24" x 36" size would be required. In the face of the costs that would be associated with such a collection effort, it is necessary to ask if the demand, or use, of such data would warrant such an outlay. Further, would the volume or nature of such Small Area Data justify its management with the aid of a computer.

In order to address these questions, the 64 Environmental Impact Reports prepared in the 30 months between January 1973 and August 1975 were reviewed. This is a relatively small volume. If an average of 24 EIR's per year is taken as the minimum volume over the next three to five years, and if the annual volume were even to triple to 72 EIR's per year, there would be only 76 to 200 EIR's over the next three years. It is unlikely that exhaustive a priori collection of Small Area Data is warranted for the demands that would be placed upon the collected data.

The second question concerns the management of the accumulated Small Area Data by computer. The information gathered would have to be converted to machine-readable form, involving geocoding, digitizing of maps, editing for consistency, and error checking. In short, a large amount of preliminary processing would be involved before the data base were usable. (The costs might range between \$200,000 to \$500,000.) Some, though not all, elements of information would require continued updating and conversion to machine-readable form. When the analysis or usage of such Small Area Data is examined, it can be seen that there is very little actual computation or manipulation of the data performed; the manipulation and understanding of it depends upon the interpretation of the planner or analyst using the information. Few, if any models for combination or manipulation of such data are available.

In the light of the small volume of demand for outputs from such a Small Area Data Base and the limited abilities of a machine system and its costs, the collection of such Small Area Data on an as-needed basis

is still the most effective, and recommended approach. This finding should be reviewed again in three to five years for changes in usage that may have occurred.

The 64 EIR's were further examined to clarify the use of and need for County Level Data and Small Area Data. Twenty-seven of the EIR's involved residential development ranging from 20 to 855 housing units; an additional six were concerned with minor subdivisions. Fifty-two percent of the EIR's were concerned with residential projects. Nine proposals involved more than 100 housing units. Five were for 200 or more units. The remaining 31 EIR's were for non-residential projects at specific locations.

The following table shows the number of units and estimated population associated with the nine largest residential projects.

SIZE OF NINE LARGEST
RESIDENTIAL PROJECTS

<u>Units</u>	<u>Population (est.)</u>	<u>% of 1970 Population</u>	<u>Acres</u>
110	330	.1	5
129	387	.2	163
133	399	.2	1332
141	423	.2	60
209	627	.2	40
220	660	.3	74
497	1491	.6	305
832	2496	1.0	925
1055*	2965*	1.1	1700

* This figure includes 855 residential and 200 resort lodge units. Population estimates are adjusted accordingly.

The nine largest residential projects range in area from 5 to 1700 acres. This suggests that Small Area Data may be required to cover up to 2000 acres at a time. It also suggests that Small Area Data must be able to distinguish features within an area of five acres.

Of the nine residential projects, three projects have expected population increases greater than one half of one percent of the total 1970 population of the County. Further, two projects involve areas greater than 1000 acres. These figures suggest several criteria for identifying those residential projects to be reviewed for impacts of County-wide significance:

Greater than 1500 persons

Greater than 1000 acres

Greater than $\frac{1}{2}$ of 1% of County baseline figure, e.g., 1970 population, or employment

Such Major Projects will require the use of County Level Data for the project and its environs (the County) as well as Small Area Data for the project and its near vicinity.

The data detail for various processes suggested by the foregoing are summarized below.

DATA DETAIL REQUIRED

Process	Requires Review for Significance	
	County-wide	Small Area
Policies	X	
Plans	X	
Major Project EIR		
- Over Thresholds*	X	X
- Under Thresholds*		X
Standard EIR		X

* Thresholds are 1500 Population, or 1000 acres, or $\frac{1}{2}$ of 1% of selected County Baseline Figure for other variables.

In the coding arrangements for the EIR, the Geographic Sub Unit field is used to identify the one or more (of 109) GSU's to which a given data reference pertains. Thus the Small Area Data for a particular location will be coded for the GSU in which the site is located. County Level Data, as with full County coverage is coded as GSU "0000".

6. Cumulative Data

The analysis of EIR's found 33 residential proposals involving EIR's in the past $2\frac{1}{2}$ years. Of these, 24 were subdivisions of less than 100 units each. Taken individually, each of these proposals may have accounted for only 10 to 300 persons each. Taken together, these subdivisions involve a total of 911 units, or an estimated population of 2700 persons. Together, these represent one percent of the total population of the County in 1970. When taken as a growth rate, that increase has a parallel growth rate in service demands and size of the County budget. (A one percent increase in the total 1975 County budget is about \$700,000.) These points serve to illustrate the fact that while individual small proposals may be considered and processed individually, the cumulative impact of many of these may be significant. This places on the information system a need to identify cumulative impacts.

The present State and County EIR requirements include an assessment of growth-inducing, and long-term versus short-term (future) impacts of a project. Cumulative impacts, measured from some (past) baseline, are not yet required. But such impacts are implicit in any serious question about growth impacts, or in an integrated response to such trends.

Two features of the information system provide the means for identifying cumulative impacts: a) the entire Small Area Data aspect of the system

(access and acquisition) and b) the GSU feature of the EID. In Section IV.C., Environmental Information Directory, the Data Category PLANS includes the entry of each accepted EIR into the EID, as a full description of a proposed project and its impacts. Each of these entries is of course coded for the particular GSU or GSU's to which it pertains. Thus the list of all EID entries for a given GSU will include reference to all EIR's in that GSU. The currency field in the EID allows selection of all entries after a selected date. Since the Information System is concerned with information about information, it remains for the concerned analyst to examine and understand the combined effects of the projects so identified. But given the Acquisition and Maintenance procedures proposed in Section II., IMPLEMENTATION PLAN, the analyst can be confident that no significant projects contributing to growth of an area will be missed.

It may be necessary to examine information pertaining to GSU's surrounding the one or ones in which a proposed project is located. Additionally, the Electronic Data Processing Department can maintain lists which identify all GSU's covered by a given jurisdiction or study area. Then the EID can be assessed for those GSU's to find all references and projects pertaining to that jurisdiction or study area. The cumulative impacts are latent in the references, however, until they are jointly analyzed.

7. Map Scales

The EID entries included 120 references to maps. A tabulation of the Scales of Maps Identified is shown in Appendix F. Scales of all maps ranged from 1" = 400' to 1" = 20 miles (1:1,300,000). Thus the differences in the scales at the extremes is a factor of 200 to 1.

Among the County Level Data maps, the most frequently occurring scales are, in descending order:

1" = 4 mi	1:250,000	24" x 24" covers County
1" = 2 mi	1:125,000	36" x 48" covers County
1" = 1000'	1:12,000	100 large sheets cover County

County Level Data maps were 37 percent of the map references.

Sixty-three percent of the map references pertain to Small Area Data. The most frequently occurring Small Area Data maps are, in descending order:

1" = 2 mi	1:125,000	36" x 48" covers County
1" = 2000'	1:24,000	80 sheets cover County

For all maps taken together, fifty percent of the maps are at a scale of 1" = 2 mi or smaller in size, and thus fifty percent can be accommodated in a single large (36" x 48") sheet. From the standpoint of

existing maps, the 1" = 4 mi (1:250,000) scale for County Level Data predominates. Overall, thirteen percent of the map references are at a scale of 1" = 1000' (1:12,000), or greater in detail. The analysis of the 33 EIR's dealing with residential proposals found that the acreages involved fell into the following categories:

	<u>Number</u>	<u>Percent</u>
Under 20 acres	13	39
20 - 100 acres	14	43
Over 100 acres	6	18

Thus there is a need for adequate data coverage on parcels under 100 acres: eighty-two percent of the residential parcels were for less than 100 acres.

The detail, or resolution, of the data required for the various processes is related to the volume of data that is implied. Since the data is distinguished by its location within the County, mapping is a basic means for presenting such information. The degree of detail that can be presented on a map varies with the scale of the map. A single 24" x 36" map can display the entire County, but very small areas cannot be distinguished. At the other extreme, there are some 80,000 parcels in Monterey County; the Assessor's Office maintains records on these parcels by computer, and maintains 130 books of maps of parcels covering the County. An intermediate level of mapping detail in common usage corresponds to a scale of 1:12,000. For maps of manageable size, this results in approximately 100 maps to cover the entire County.

When specific data item needs are identified, the degree of detail appropriate for that data item must be considered. The following table compares various scales, area coverage and amount of detail possible.

<u>RATIO</u> 1:	<u>MAP</u>	<u>DETAIL CAPABILITY:</u> One sq. inch covers in acres	<u>DATA VOLUME</u> Approx. No. 2' x 3' maps to cover County
	<u>SCALE</u> 1" =		
250,000	4 mi ±	9963	1
125,000	2 mi ±	2490	1
62,500	1 mi ±	623	4
24,000	2000'	92	26
12,000	1000'	23	105
6,000	500'	6	405

For the actual presentation of data on maps, assume that adequate map coverage for a proposal requires information contained in a square one inch on a side. For several map scales, the actual map area for several acreages are shown in the following table.

MAP SCALES			A SQUARE X INCHES ON A SIDE IS COVERED BY			
Ratio 1:	1" = in miles	1" = in feet	2500 Ac	250 Ac	25 Ac	2.5 Ac
6,000	.08	500	20.8	6.6	2.1	<u>0.7</u>
12,000	.19	1,000	10.4	3.3	<u>1.0</u>	0.3
24,000	.38	2,000	5.3	<u>1.7</u>	0.5	0.2
125,000	1.98	10,417	<u>1.0</u>	0.3	0.1	0.03

On this basis of a one-inch square, a 2500-acre parcel could be evaluated using the 1" = 2 mi (1:125,000) maps. A 250-acre parcel would require the use of data available on 1" = 2000' (1:24,000) maps. A 25-acre parcel would require the 1" = 1000' (1:12,000) map data. A 2.5-acre parcel could be just barely evaluated using the 1" = 500' (1:6000) map data.

Three scales of maps are recommended. One, providing total County coverage on a single map sheet, will display mostly County Level Data. A second will provide greater detail, and will involve a large number of map sheets. These can contain County Level Data, and Small Area Data for the larger parcels. A third scale is required for Small Area Data of less than 25 acres.

The 1" = 2 mi (1:125,000) scale would be preferred for better display of County Level Data, although a large number of existing maps at 1" = 4 mi would have to be transformed to this scale. The 1" = 2 mi (1:125,000) scale is the second most frequent map for Small Area Data; this observation lends weight to selection of the 1" = 2 mi map scale, rather than the 1" = 4 mi scale. The existing large number of maps at 1" = 2000' can probably display data adequately for parcels of greater than 100 acres. Where possible, a shift to maps and data collection at a scale of 1" = 1000' would serve a substantially greater number of EIR's, and would be compatible with the second most frequently occurring scale of County Level Data maps.

Finally, where data collection is undertaken on an ad-hoc basis for a specific EIR or other small area project, such information should be compiled at the finest level of detail, on the order of 1" = 500'. This should be coupled with a requirement that some minimum area be covered in any individual data collection effort. For example, the collection could encompass not only the specific site, but also the entire 1" = 500' map containing the site. Over a period of time, a collection of detailed maps for the most active areas will be compiled. However, as pointed out in the discussion on Small Area Data, obtaining total coverage of the County at this level of detail is extremely expensive, and not warranted for the level of data usage expected.

In summary, the following map scales are recommended:

MAP		<u>COUNTY LEVEL DATA</u>	<u>SMALL AREA DATA</u>
<u>RATIO</u>	<u>SCALE</u>		
1:125,000	1" = 2 mi	X	
1:12,000	1" = 1000'	X	X
1:6000	1" = 500'		X

8. Mapped Data Availability

The mapped data references in the EID were examined to identify the Data Categories for which mapped information was lacking. Using the EID, MID List and the actual document where possible, the specific data items contained on each map were noted. Appendix F lists the results, grouped in decreasing order of availability. The range is a) the 15 maps already present in the Planning Department, prepared under the Open Space/Conservation Element or the Geotechnical Study; b) the 11 maps available in other agencies of which copies should be obtained; c) the 7 maps available in the Planning Department in great detail, requiring a summary compilation for wider distribution; d) suggestions for further mapping efforts.

To facilitate acquisition of specific mapped data suggested by the Planning Department, additional pursuit of several maps was done. These included Major Transmission Lines (MID 236), Gas Lines (MID 237), Utility Property Holdings (MID 238), Vegetation Maps (MID's 184 and 234), General Coastal Inventory (MID's 137 and 241), and Reproducible USGS Maps (MID 183).

In the questionnaire to other agencies, (Appendix F), the respondents were asked what mapped environmental information they required. Using the EID, the availability of the requested maps was analyzed. The results are shown below and in Appendix F.

MAP NEEDS OF OTHER AGENCIES

	<u>Number</u>
Requested in Questionnaire - Total	154
Available	93
At scale requested	53
In lesser detail	30
In greater detail	10
Needed (Not Available)	61

Sixty percent of those maps named are available in some form, and half of those are at the requested scale. The 61 requests for maps not available are 38 percent of the maps named. The Data Categories with the greatest number of map requests Not Available are:

DEMOGRAPHY
WATER RESOURCES
LAND
CLIMATE
EDUCATION
WILDLIFE

These six Data Categories account for over sixty percent of the map requests by other agencies that were found Not Available. The County Data Handbook is the ideal means for a wider distribution of summary map information needed by other agencies.

APPENDIX A

MONTEREY COUNTY PLANS

MONTEREY COUNTY PLANS

GENERAL PLANS

<u>Name of Plan</u>	<u>Board of Supervisors</u>	
	<u>Adoptive Dates</u>	<u>Amendment Dates</u>
Moss Landing Area Development Plan	9/17/56	9/19/67 & 10/24/72
Toro Area Master Plan	3/21/60	
Central Salinas Valley General Plan	10/17/60	8/10/71
Marina Master Plan	1/16/61	4/19/66 & 1/17/67
Carmel Valley Master Plan	1/9/61	
Monterey County Coast Master Plan	11/5/62	8/9/66
North County General Plan	1/13/64	
South County General Plan *	7/20/64	
Monterey Peninsula Area General Plan	7/26/66	
Greater Salinas Area General Plan	6/28/68	
Monterey County General Plan	10/22/68	
General Plan for Nacimiento/San Antonio Planning Area * (Part of)	5/11/71	
Carmel Highlands/Carmel Riviera Master Plan	7/8/69	
Santa Rita Area Community Plan	7/8/69	
Castroville General Plan	7/27/73	

MASTER PLANS

AS ADOPTED SPECIFIC PLANS WITHIN SECTION GENERAL PLANS

South County Comprehensive Plan for Water & Sewer Development	3/24/70	10/3/72
New Playto Road Area Mini-Master Plan	3/21/72	

ELEMENTS OF GENERAL PLAN

North County Public Facilities Element	3/25/69	
Carmel Valley/Carmel Highlands Public Facilities Plan	2/17/70	
Housing Element (Preliminary)	2/17/70	Final Accepted 11/19/74
Open Space Element	5/30/72	Cons/Open Space El.3/12/74
Scenic Highways Element	6/18/74	
Historical Element	8/13/74	

CITY GENERAL PLANS

ADOPTED AS PART OF MONTEREY COUNTY GENERAL PLAN

Seaside Master Plan	7/27/59
King City Master Plan	6/10/63
Soledad General Plan	6/14/66
Gonzales General Plan	5/9/67

PRIVATE PLANS

ADOPTED AS PART OF MONTEREY COUNTY GENERAL PLAN

Rancho San Carlos Master Plan	7/26/66	Riches Research
Laguna Seca Ranch Plan	4/18/67	Whisler & Patri
Del Monte Plan	7/26/66	Will Shaw & Assoc.
Conservation Plan for Three Ranches	7/26/66	Whisler & Patri
Oak Hills Master Plan	8/8/67	Neil Engineering
Villa Nueva General Plan	4/14/70	Neil Engineering
Hidden Hills North	10/27/70	} Monterey County Planning Dept. w/Indian Ridge Develop. Corp.
Hidden Hills West	2/16/71	

APPENDIX B

AGENCY-SOURCE DIRECTORY

1. Notes on the Directory
2. How to Read the List
3. Directory Sort by Information Type

1. Notes on the Directory

One arrangement of the Agency-Source Directory is presented in this Appendix. The codes and format of the Directory are explained on the following chart, "How to Read the List".

In the listing, entries are grouped by type of information. This Directory, compiled early in the study, employs twenty-seven Information Types which were later expanded to create the Data Categories used in the Environmental Information Directory. In further refinements of the System, Information Type coding of Agency-Sources should be made consistent with the twenty-nine Data Categories.

2. HOW TO READ THE LIST - AGENCY-SOURCE DIRECTORY

#	IN	JU	NAME
20	08	AD	CASTROVILLE SANITATION DIST AD COMMITTEE
121	20	CA	MOSS LANDING MARINE LABORATORY, CA STATE UNIV SYSTEM
251	01	CI	SEASIDE COMMUNITY DEV/PLANNING DEPT
E N T R Y N U M B E R	→ AGENCY NAME - ABBREVIATIONS USED IN AGENCY NAME		
	→ JURISDICTION CODES		
	→ INFORMATION TYPES		
	AD	ADVISORY COMMITTEE, BOARD	ADMIN ADMINISTRATION, -TOR, -TIVE
	CA	CALIFORNIA, STATE OF	BD BOARD
	CI	CITY	COMP COMPREHENSIVE
	MC	MONTEREY COUNTY	CONS CONSERVATION
	PV	PRIVATE	COOP COOPERATIVE
	RG	REGIONAL	CSA COUNTY SERVICE AREA NUMBER
	SD	SPECIAL DISTRICT	DEV DEVELOPMENT
	US	UNITED STATES	DIST DISTRICT
			DIV DIVISION
			ELEM ELEMENTARY
			ENGR ENGINEER, -ING, -S
			MCFC + MONTEREY COUNTY FLOOD CONTROL +
			WCD WATER CONSERVATION DISTRICT
			PEN PENINSULA
			POLL POLLUTION
			REC RECREATION, -AL
			TRANS TRANSPORTATION
			UNIF UNIFIED
			UNIV UNIVERSITY
			+ AND
	01	PLANS	15 GROUNDWATER
	02	ZONING	16 SURFACE WATER
	03	ECONOMY	17 CLIMATE
	04	POPULATION	18 AIR QUALITY
	05	HOUSING	19 VEGETATION
	06	AGRICULTURE	20 WILDLIFE
	07	ARCHEOLOGY/HISTORY	21 AESTHETICS
	08	UTILITIES	22 NOISE
	09	FACILITIES	23 HAZARDS
	10	CIRCULATION	24 OTHER
	11	CONSERVATION	25 COASTAL
	12	GEOLOGY	26 SOCIAL WELFARE
	13	SEISMOLOGY	27 LAND USE
	14	SOILS	

3. AGENCY-SOURCE DIRECTORY SORT BY INFORMATION TYPE

PLANS

NO	IN	JU	AGENCY-SOURCE NAME
177	01	CA	AERONAUTICS DIV, CALTRANS
65	01	CA	COMP OCEAN AREA PLAN (COAP), NAVIGATION+OCEAN DEV DEPT
275	01	CA	FISH+GAME DEPT, REGION 3
118	01	CA	MINES+GEOLOGY DIV
171	01	CA	PARKS+REC DEPT
363	01	CA	STATE WATER RESOURCES CONTROL BOARD, CENTRAL COASTAL BASIN
514	01	CI	CARMEL PLANNING DEPT
428	01	CI	MONTEREY, CITY OF
251	01	CI	SEASIDE COMMUNITY DEV/PLANNING DEPT
41	01	MC	PLANNING COMMISSION
270	01	MC	PLANNING DEPT
191	01	PV	DEL MONTE PROPERTIES COMPANY
122	01	PV	OCEAN SCIENCE+ENGR INC
130	01	RG	ASSN OF MONTEREY BAY AREA GOVERNMENTS (AMBAG)
216	01	RG	MIDCOAST COMP HEALTH PLANNING ASSOC
69	01	US	CALIFORNIA COUNCIL ON CRIMINAL JUSTICE, REGION 4

ZONING

126	02	MC	ZONING ADMIN
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ECONOMY

33	03	AD	MINORITY EMPLOYMENT ADVISORY COMMITTEE, TO ADMIN OFFICE
274	03	CA	EMPLOYMENT DEV DEPT
175	03	CA	FINANCE DEPT
62	03	CA	RURAL MANPOWER SERVICE OFFICE
231	03	CA	STATISTICAL RESEARCH+CONSULTING DIV, STATE BD OF EQUALIZATION
2	03	MC	ASSESSMENT APPEALS BOARD, TO BOARD OF SUPERVISORS
50	03	MC	ASSESSOR'S OFFICE
31	03	MC	MANPOWER PLANNING COUNCIL, TO ADMIN OFFICE
38	03	MC	OVERALL ECON DEV PROGRAM COMMITTEE, TO COMMUNITY SERVICES DEPT
190	03	PV	HARMAN O'DONNELL+HENNIEGER ASSOC, INC
149	03	PV	MARINA CHAMBER OF COMMERCE
469	03	PV	MONTEREY PENINSULA CHAMBER OF COMMERCE
151	03	PV	RAYMOND, RICHARD ASSOC
509	03	PV	SALINAS CHAMBER OF COMMERCE
460	03	PV	SECURITY PACIFIC BANK
461	03	PV	UNITED CALIFORNIA BANK, RESEARCH+PLANNING DIV
352	03	PV	WELLS FARGO BANK
64	03	RG	CENTRAL COAST RESOURCE CONS+DEV PROJECT

POPULATION

59	04	CA	FINANCE DEPT, POPULATION UNIT
483	04	MC	PLANNING DEPT
217	04	US	CENSUS BUREAU
173	04	US	FORT HUNTER LIGGETT MILITARY RESERVATION

Agency-Source Directory
Sort by Information Type (con't)

HOUSING

NO	IN	JU	AGENCY-SOURCE NAME
219	05	CA	HOUSING AND COMMUNITY DEVELOPMENT DEPARTMENT
25	05	MC	HOUSING AUTHORITY
203	05	MC	PLANNING DEPARTMENT
464	05	PV	RAHN, WISE + ASSOC, INC
351	05	PV	SECURITY PACIFIC BANK, RESEARCH DEPT
218	05	US	CENSUS BUREAU
223	05	US	FORT ORD HOUSING MANAGEMENT

AGRICULTURE

129	06	CA	FOOD+AGRICULTURE DEPT
463	06	CA	PLANNING+RESEARCH OFFICE
132	06	MC	AGRICULTURE DEPT
267	06	RG	CENTRAL COAST RESOURCE CONS+DEV PROJECT
51	06	US	AGRICULTURAL EXTENSION SERVICE, SALINAS
501	06	US	AGRICULTURAL STABILIZATION+CONS
131	06	US	CALIFORNIA CROP+LIVESTOCK REPORTING SERVICE
519	06	US	NATIONAL MARINE FISHERIES SERVICE

ARCHEOLOGY/HISTORY

23	07	AD	MONTEREY COUNTY HIST AD COMMITTEE
114	07	CA	ARCHAEOLOGICAL RESEARCH FACILITY, UNIV CA SANTA CRUZ
139	07	CA	ARCHAEOLOGY CLEARINGHOUSE FIVE
172	07	CA	PARKS+REC DEPT
117	07	CA	TREGANZA ANTHROPOLOGY MUSEUM, SAN FRANCISCO STATE UNIV
221	07	MC	PLANNING DEPARTMENT
511	07	PV	ADAM, ELLA, ARCHEOLOGIST
202	07	PV	ARCHAEOLOGICAL CONSULTING + RESEARCH SERVICES, INC
249	07	PV	ARCHAEOLOGICAL RESEARCH, INC.
516	07	PV	ARCHAEOLOGICAL RESEARCH SERVICE
518	07	PV	BALDWIN, MARY ALICE, ARCHEOLOGIST
448	07	PV	BOXWOOD PRESS, PACIFIC GROVE
502	07	PV	BRESCHINI, GARY, ARCHEOLOGIST
492	07	PV	EDWARDS, ROB, ARCHEOLOGIST
241	07	PV	FRIENDS OF THE ADORES
517	07	PV	GREENWOOD, ROBERTA, ARCHEOLOGIST
510	07	PV	KERNS, BERT, ARCHEOLOGIST
68	07	PV	MONTEREY COUNTY ARCHAEOLOGICAL SOCIETY
260	07	PV	MONTEREY HISTORY + ART ASSOCIATION
261	07	PV	MONTEREY COUNTY HISTORICAL SOCIETY
262	07	PV	SAN ANTONIO VALLEY HISTORY ASSN
138	07	PV	SOCIETY FOR CALIFORNIA ARCHAEOLOGY
222	07	RG	CENTRAL COAST REGIONAL COASTAL ZONE CONS COMMISSION
79	07	US	NATIONAL PARK SERVICE

Agency-Source Directory
Sort by Information Type (con't)

UTILITIES

NO	IN	JU	AGENCY-SOURCE NAME
6	08	AD	CACHAGUA-UPPER CARMEL VALLEY MASTER PLAN AD COMMITTEE
20	08	AD	CASTROVILLE SANITATION DIST AD COMMITTEE
28	08	AD	CSA 14 AD COMMITTEE, TO PUBLIC WORKS DEPT
35	08	AD	CSA 39 AD COMMITTEE, TO PUBLIC WORKS DEPT
36	08	AD	CSA 40 AD COMMITTEE, TO PUBLIC WORKS DEPT
13	08	AD	CSA 42 AD COMMITTEE, TO PUBLIC WORKS DEPT
14	08	AD	CSA 43 AD COMMITTEE, TO PUBLIC WORKS DEPT
39	08	AD	CSA 46 AD COMMITTEE, TO PUBLIC WORKS DEPT
43	08	AD	CSA 60 AD COMMITTEE, TO PUBLIC WORKS DEPT
16	08	AD	CSA 61 AD COMMITTEE, TO PUBLIC WORKS DEPT
46	08	AD	CSA 66 AD COMMITTEE, TO PUBLIC WORKS DEPT
24	08	AD	HOSPITAL ADVISORY COMMISSION, TO NATIVIDAD MEDICAL CENTER
18	08	AD	PAJARO SANITATION DIST AD COMMITTEE
26	08	AD	REFUSE DISPOSAL SITE SELECTION COMMITTEE
44	08	AD	SALINAS VALLEY WATER ADVISORY COMMITTEE, TO MCFC+WCD
49	08	AD	ZONE 7 WATER AD COMMITTEE, TO MCFC+WCD
60	08	CA	PUBLIC UTILITIES COMMISSION
194	08	CA	SOLID WASTE MANAGEMENT BOARD, RESOURCES AGENCY
432	08	CI	SEASIDE PUBLIC WORKS DEPT
508	08	CI	SEASIDE WATER DEPT
485	08	MC	FLOOD CONTROL+WATER CONS DIST (MCFC+WCD)
133	08	MC	PUBLIC WORKS-SPECIAL SERVICES
317	08	MC	UNDERGROUND UTILITIES REVIEW COMMISSION
375	08	PV	ACACIA PARK MUTUAL WATER COMPANY
376	08	PV	ALCO WATER COMPANY
475	08	PV	AMBLER PARK WATER UTILITY COMPANY
453	08	PV	BROWN + CALDWELL, CONSULTING ENGINEERS
193	08	PV	CALIFORNIA-AMERICAN WATER COMPANY
377	08	PV	CALIFORNIA WATER SERVICE COMPANY
473	08	PV	CARMEL VALLEY DISPOSAL SERVICE, INC
442	08	PV	CH2M-HILL ENGINEERS
503	08	PV	ENVIRONMENTAL ANALYSIS LABORATORIES
455	08	PV	JENKS + ADAMSON, CONSULTING SANITARY + CIVIL ENGINEERS
454	08	PV	MONTGOMERY, JAMES M., CONSULTING ENGINEERS, INC
452	08	PV	NOLTE, GEORGE S. + ASSOC, SAN JOSE
196	08	PV	PACIFIC GAS AND ELECTRIC COMPANY
197	08	PV	PACIFIC TELEPHONE AND TELEGRAPH COMPANY
53	08	PV	REDWOOD EMPIRE TELEPHONE COMPANY
513	08	PV	RURAL GARBAGE+DISPOSAL
379	08	PV	SALINAS DISPOSAL SERVICE
477	08	PV	SALINAS UTILITY SERVICES
451	08	PV	TROTTER-YODER+ASSOC
378	08	PV	WATER WEST CORPORATION
293	08	SD	AROMAS COUNTY WATER DISTRICT
294	08	SD	BORONDA COUNTY WATER DISTRICT
297	08	SD	CARMEL SANITARY DISTRICT
283	08	SD	CASTROVILLE SANITATION DIST
284	08	SD	CHUALAR SANITATION DIST
307	08	SD	CSA 10, LAGUNA SECA RANCH ESTATES
308	08	SD	CSA 14, CASTROVILLE

Agency-Source Directory
Sort by Information Type (con't)

UTILITIES (CON'T)

NO	IN	JU	AGENCY-SOURCE NAME
309	08	SD	CSA 15, SERRA VILLAGE-TORO PARK
310	08	SD	CSA 17, RANCHO TIERRA GRANDE, NO. 1,2 + 3
311	08	SD	CSA 19, CARMEL MEADOWS, NO. 6 + 7
305	08	SD	CSA 1, CARMEL POINT
312	08	SD	CSA 20, ROYAL ESTATES, NO. 1 + 2
313	08	SD	CSA 23, CARMEL RANCHO, NO. 1+ 2
314	08	SD	CSA 24, PEDRAZZI SUBDIVISION, NO.2
315	08	SD	CSA 25, CARMEL VALLEY G. + C. C.
316	08	SD	CSA 26, NEW MOSS LANDING HEIGHTS
324	08	SD	CSA 27, BERWICK MANOR, RANCHO CANADA NO. 1 + VALLE CARMEL
318	08	SD	CSA 30 RANCHO MAR MONTE 1,2+3
319	08	SD	CSA 31, AROMAS HILLS SUBDIVISION
320	08	SD	CSA 32, GREEN VALLEY ACRES
321	08	SD	CSA 33, COAST RIDGE SUBDIVISION + CARMEL SUR
322	08	SD	CSA 34, RANCHO RIO VISTA + CARMEL KNOLLS NO. 1,2,3 + 4
323	08	SD	CSA 35, RANCHO BORROMEO + PARADISE PARK
325	08	SD	CSA 37, COLONIAL OAKS ESTATES
326	08	SD	CSA 38, PARADISE LAKE ESTATES NO. 27
327	08	SD	CSA 39, DEL MONTE FAIRWAYS
328	08	SD	CSA 40, SPRECKELS
329	08	SD	CSA 41, GABILAN ACRES
330	08	SD	CSA 42, PEBBLE BEACH
331	08	SD	CSA 43, CARMEL UNINCORPORATED
332	08	SD	CSA 44, CORRAL DE TIERRA OAKS NO. 1,2 +3
333	08	SD	CSA 45, OAK HILLS SUBDIVISION
334	08	SD	CSA 46, MOSS LANDING GENERAL
335	08	SD	CSA 47, CARMEL VIEWS NO. 1
336	08	SD	CSA 50, RIOWAY TRACT NO. 2
337	08	SD	CSA 51, HIGH MEADOWS NO. 1 + 2
338	08	SD	CSA 52, CERRO DEL OSO + ANNEXATIONS
339	08	SD	CSA 53, ARROYO SECO-LOS COCHES
340	08	SD	CSA 54, MANZANITA SUBDIVISION
341	08	SD	CSA 55, ROBLES DEL RIO, CARMEL SUBDIVISION NO. 2
342	08	SD	CSA 56, DEL MESA CARMEL
343	08	SD	CSA 57, LOS TULARES SUBDIVISION
344	08	SD	CSA 58, VISTA DORADA SUBDIVISION
346	08	SD	CSA 60, ASILOMAR
347	08	SD	CSA 61, KING CITY UNINCORPORATED
348	08	SD	CSA 62, RANCHO DEL MONTE, NO. 14
345	08	SD	CSA 64, MONTERFY DUNES COLONY
434	08	SD	CSA 65, INDIAN SPRINGS RANCH ESTATE
435	08	SD	CSA 66, LAS LOMAS
306	08	SD	CSA 9, OAK PARK + ADJACENT ANNEXATIONS
80	08	SD	FLOOD CONTROL + WATER CONS ZONE 1
81	08	SD	FLOOD CONTROL + WATER CONS DIST ZONE 3
82	08	SD	FLOOD CONTROL+ WATER CONS DIST ZONE 5
83	08	SD	FLOOD CONTROL + WATER CONS DIST ZONE 6
84	08	SD	FLOOD CONTROL + WATER CONS DIST ZONE 7
85	08	SD	FLOOD CONTROL + WATER CONS DIST ZONE8
86	08	SD	FLOOD CONTROL + WATER CONS DIST ZONE 9

Agency-Source Directory
Sort by Information Type (con't)

UTILITIES (CON'T)

NO	IN	JU	AGENCY-SOURCE NAME
87	08	SD	FLOOD CONTROL + WATER CONS DIST ZONE 10
88	08	SD	FLOOD CONTROL + WATER CONS DIST ZONE 11
89	08	SD	FLOOD CONTROL + WATER CONS DIST ZONE 12
90	08	SD	FLOOD CONTROL + WATER CONS DIST ZONE 14
289	08	SD	FLOOD CONTROL+WATER CONS DIST ZONE 2
290	08	SD	FLOOD CONTROL+WATER CONS DIST ZONE 2A
349	08	SD	FLOOD CONTROL+WATER CONS DIST ZONE 15
436	08	SD	GONZALES CEMETERY DIST
195	08	SD	MONTEREY PENINSULA GARBAGE AND REFUSE DISPOSAL DISTRICT
462	08	SD	MONTEREY PEN WATER POLL CONTROL AGENCY
286	08	SD	PAJARO SANITATION DIST
100	08	SD	PEBBLE BEACH SANITARY DIST
291	08	SD	SAN ARDO WATER DISTRICT
104	08	SD	SAN LUCAS COUNTY WATER DIST
105	08	SD	SANTA RITA COUNTY WATER DIST
287	08	SD	SEASIDE SANITATION MAINTENANCE DIST
111	08	SD	STORM DRAIN MAINTENANCE DIST NO. 2
112	08	SD	SUNNY MESA COUNTY WATER DIST
146	08	US	GEOLOGICAL SURVEY

FACILITIES

526	09	AD	CASTROVILLE PUBLIC WORKS AD COMMITTEE
21	09	AD	FLY CONTROL ADVISORY COMMITTEE, TO HEALTH DEPT
165	09	AD	NORTH MONTEREY COUNTY CITIZENS WATER ADVISORY COMMITTEE
37	09	AD	OFF-ROAD REC VEHICLE ADVISORY COMMITTEE, TO PARKS+REC DEPT
527	09	AD	PAJARO PUBLIC WORKS AD COMMITTEE
48	09	AD	TORO PARK ADVISORY COMMITTEE, TO PARKS+REC DEPT
250	09	CA	CALIFORNIA HIGHWAY PATROL
478	09	CA	MIGRANT EDUCATION BUREAU, EDUCATION DEPT
439	09	CA	SCHOOL FACILITIES PLANNING BUREAU, EDUCATION DEPT
159	09	CA	STATE ENERGY RESOURCES CONS+DEV COMMISSION
17	09	MC	ADMINISTRATOR'S OFFICE
11	09	MC	COMP HEALTH PLANNING COUNCIL
57	09	MC	CONSTABLES DEPT
380	09	MC	EDUCATION OFFICE
40	09	MC	PARKS COMMISSION TO PARKS+REC DEPT
141	09	MC	PARKS+REC DEPT
254	09	MC	PUBLIC HEALTH DEPARTMENT
199	09	MC	SHERIFF'S DEPARTMENT
276	09	PV	TUBERCULOSIS+HEALTH ASSN OF MC, INC
66	09	RG	MONTEREY PENINSULA REGIONAL PARK+OPEN SPACE DIST
208	09	RG	MONTEREY PENINSULA REGIONAL PARK + OPEN SPACE DIST
228	09	RG	MONTEREY BAY AREA COOP LIBRARY SYSTEM(MOBAC)
381	09	SD	ALISAL UNION ELEMENTARY SCHOOL DIST
292	09	SD	AROMAS TRI-COUNTY FIRE DIST
382	09	SD	BRADLEY UNION ELEM SCHOOL DIST
198	09	SD	CARMEL UNIFIED SCHOOL DIST
295	09	SD	CARMEL HIGHLANDS FIRE PROTECTION DIST
296	09	SD	CARMEL VALLEY FIRE PROTECTION DIST

Agency-Source Directory
Sort by Information Type (con't)

FACILITIES (CON'T)

NO	IN	JU	AGENCY-SOURCE NAME
298	09	SD	CASTROVILLE CEMETERY DISTRICT
299	09	SD	CASTROVILLE FIRE PROTECTION DIST
300	09	SD	CASTROVILLE PUBLIC RECREATION DISTRICT
302	09	SD	CHOLAME VALLEY CEMETERY DISTRICT
301	09	SD	CHUALAR COUNTY WATER DISTRICT
303	09	SD	CHUALAR LIGHTING DISTRICT
304	09	SD	CHUALAR RURAL FIRE PROTECTION DIST
383	09	SD	CHUALAR UNION ELEM SCHOOL DIST
282	09	SD	COALINGA JOINT UNIFIED SCHOOL DISTRICT
403	09	SD	COAST JOINT UNION HIGH SCHOOL DIST
70	09	SD	GONZALES RURAL FIRE PROTECTION DIST
384	09	SD	GONZALES UNION ELEM SCHOOL DIST
401	09	SD	GONZALES UNION HIGH SCHOOL DIST
385	09	SD	GRAVES ELEM SCHOOL DIST
71	09	SD	GREENFIELD CEMETERY DIST
72	09	SD	GREENFIELD RURAL FIRE PROTECTION DIST
73	09	SD	GREENFIELD MEMORIAL DIST
74	09	SD	GREENFIELD PUBLIC REC DIST
386	09	SD	GREENFIELD UNION ELEM SCHOOL DIST
405	09	SD	HARTWELL COMMUNITY COLLEGE DIST
75	09	SD	KING CITY CEMETERY DIST
387	09	SD	KING CITY UNION ELEM SCHOOL DIST
402	09	SD	KING CITY JOINT UNION HIGH SCHOOL DIST
388	09	SD	LAGUNITA ELEM SCHOOL DIST
76	09	SD	MARINA COUNTY WATER DIST
77	09	SD	MARINA FIRE PROTECTION DIST
200	09	SD	MID-VALLEY FIRE PROTECTION DIST
78	09	SD	MISSION-SOLEDAD RURAL FIRE PROTECTION DIST
389	09	SD	MISSION UNION ELEM SCHOOL DIST
92	09	SD	MONTEREY PENINSULA AIRPORT DIST
278	09	SD	MONTEREY PENINSULA UNIFIED SCHOOL DISTRICT
406	09	SD	MONTEREY PENINSULA COMMUNITY COLLEGE DIST
94	09	SD	MOSS LANDING HARBOR DIST
390	09	SD	NORTH MONTEREY COUNTY UNION ELEM SCHOOL DIST
95	09	SD	NORTHERN SALINAS VALLEY MOSQUITO ABATEMENT DIST
279	09	SD	PACIFIC GROVE UNIFIED SCHOOL DISTRICT
391	09	SD	PACIFIC ELEM SCHOOL DIST
96	09	SD	PAJARO LIGHTING DIST
97	09	SD	PAJARO TOWNSHIP FIRE PROTECTION DIST
98	09	SD	PAJARO VALLEY PUBLIC CEMETERY DIST
280	09	SD	PAJARO VALLEY JOINT UNIFIED SCHOOL DIST
99	09	SD	PASO ROBLES WAR MEMORIAL HOSPITAL DIST
404	09	SD	PASO ROBLES JOINT UNION HIGH SCHOOL DIST
392	09	SD	PLEASANT VALLEY ELEM SCHOOL DIST
101	09	SD	SALINAS RURAL FIRE PROTECTION DIST
102	09	SD	SALINAS VALLEY MEMORIAL HOSPITAL DIST
137	09	SD	SALINAS UNION HIGH SCHOOL DIST
393	09	SD	SALINAS CITY ELEM SCHOOL DIST
394	09	SD	SAN ANTONIO UNION ELEM SCHOOL DIST

Agency-Source Directory
Sort by Information Type (con't)

FACILITIES (CON'T)

NO	IN JU	AGENCY-SOURCE NAME
103	09 SD	SAN ARDO CEMETERY DIST
395	09 SD	SAN ARDO UNION ELEM SCHOOL DIST
396	09 SD	SAN LUCAS UNION ELEM SCHOOL DIST
397	09 SD	SAN MIGUEL UNION ELEM SCHOOL DIST
398	09 SD	SANTA RITA UNION ELEM SCHOOL DIST
106	09 SD	SEASIDE FIRE PROTECTION DIST
281	09 SD	SHANDON JOINT UNIFIED SCHOOL DISTRICT
107	09 SD	SOLEDAD CEMETERY DIST
108	09 SD	SOLEDAD COMMUNITY HOSPITAL DIST
109	09 SD	SOLEDAD-MISSION REC DIST
399	09 SD	SOLEDAD UNION ELEM SCHOOL DIST
110	09 SD	SPRECKELS MEMORIAL DIST
271	09 SD	SPRECKELS UNION ELEMENTARY SCHOOL DIST
400	09 SD	WASHINGTON UNION ELEM SCHOOL DIST

CIRCULATION

246	10 AD	CITIZEN AD COMMITTEE (CAC), TO MC TRANS STUDY
244	10 AD	POLICY AD COMMITTEE (PAC), TO MC TRANS STUDY
245	10 AD	TECHNICAL AD COMMITTEE (TAC), TO MC TRANS STUDY
178	10 CA	AERONAUTICS BD, CALTRANS
220	10 CA	CALTRANS DIST 5
268	10 CA	MOTOR VEHICLES DEPARTMENT
113	10 MC	MONTEREY COUNTY TRANS STUDY
143	10 MC	PUBLIC WORKS DEPT
243	10 MC	TRANSPORTATION COMMISSION(MCTC),TO MC TRANS STUDY
239	10 PV	BOLT BERANECK AND NEWMAN, INC.
253	10 PV	MONTEREY PENINSULA TRANSIT
497	10 PV	PEARSON, RUSSELL C+ASSOC, TRANS
498	10 PV	SMITH, WILBUR+ASSOC, ENGR
467	10 PV	SOUTHERN PACIFIC RR, DIST TRAFFIC OFFICE, SAN FRAN
227	10 PV	VOORHEES, ALAN M. + ASSOCIATES
242	10 RG	ASSOCIATION OF MONTEREY BAY AREA GOVERNMENTS (AMBAG)
91	10 SD	MONTEREY PENINSULA AIRPORT DIST
93	10 SD	MOSS LANDING HARBOR DIST
224	10 US	ENVIRONMENTAL PROTECTION AGENCY
226	10 US	FEDERAL HIGHWAYS ADMIN, TRANS DEPT, REGION 9

CONSERVATION

5	11 AD	ZONE 11 WATER AD COMMITTEE, TO MCFC+WCD
153	11 CA	ASSEMBLY OFFICE OF RESEARCH
206	11 CA	FORESTRY DIV
264	11 CA	RESOURCES AGENCY
155	11 CA	SENATE COMMITTEE ON NATURAL RESOURCES+WILDLIFE
145	11 CI	MONTEREY PARK COMMISSION
449	11 CI	PACIFIC GROVE NATURAL HISTORY MUSEUM
142	11 MC	PARKS+REC DEPT
259	11 PV	CALIFORNIA NATIVE PLANT SOCIETY, BERKELEY
350	11 PV	CARMEL AREA COALITION

Agency-Source Directory
Sort by Information Type (con't)

CONSERVATION (CON'T)

NO	IN JU	AGENCY-SOURCE NAME
368	11 PV	CARMEL CITIZENS COMMITTEE
493	11 PV	ECOLOGICAL IMPACT STUDIES INC(ECTS)
67	11 PV	MONTEREY PENINSULA AUDOBON SOCIETY
144	11 PV	MONTEREY COUNTY FOUNDATION FOR CONS
506	11 PV	SEEMAN,CARRY,ENVIRONMENTAL SCIENCE CONSULTANT
472	11 PV	SIERRA CLUB, VENTANA CHAPTER
528	11 PV	VIERRA,ALBERT,CONSERVATIONIST
140	11 PV	WESTERN REGIONAL OFFICE, NATURE CONSERVANCY
263	11 RG	CENTRAL COAST RESOURCE CONS+DEV PROJECT
437	11 RG	CENTRAL COAST REGIONAL COASTAL ZONE CONS COMMISSION
416	11 US	ENERGY RESEARCH+DEV ADMIN
285	11 US	NUCLEAR REGULATORY COMMISSION

GEOLOGY

4	12 AD	BUILDING OFFICIAL ADVISORY COMMITTEE, TO BLDG INSPECTION DEPT
211	12 CA	MINES+GEOLOGY
366	12 PV	AMERICAN GEOLOGICAL SOCIETY
470	12 PV	BOWEN, OLIVER E., GEOLOGIST
495	12 PV	BURKLAND+ASSOC, GEOLOGISTS
505	12 PV	CADASTRAL DATA
499	12 PV	SPANGLE, WILLIAM+ASSOC
500	12 PV	WESTEC SERVICES INC
374	12 SD	GEOLOGY DEPT, HARTNELL COLLEGE

SEISMOLOGY

181	13 MC	PLANNING DEPT
367	13 PV	AMERICAN SEISMOLOGICAL SOCIETY
204	13 PV	LEIGHTON AND ASSOCIATES
234	13 PV	PACIFIC GAS AND ELECTRIC COMPANY
233	13 US	GEOLOGICAL SURVEY

SOILS

487	14 PV	REYNOLDS+ASSOC
353	14 SD	GLORIA RESOURCE CONSERVATION DIST
354	14 SD	LAS TABLAS RESOURCE CONSERVATION DIST
355	14 SD	MISSION-SOLEDAD RESOURCE CONSERVATION DIST
356	14 SD	MONTEREY COAST RESOURCE CONSERVATION DISTRICT
357	14 SD	NACITONE RESOURCE CONSERVATION DISTRICT
358	14 SD	PAJARO RESOURCE CONSERVATION DISTRICT
360	14 SD	UPPER SALINAS RESOURCE CONSERVATION DISTRICT
459	14 US	AGRICULTURE DEPT
186	14 US	SOIL CONS SERVICE

Agency-Source Directory
Sort by Information Type (con't)

GROUNDWATER

NO	IN JU	AGENCY-SOURCE NAME
443	15 CA	SANITARY ENGR BUREAU, PUBLIC HEALTH DEPT
441	15 CA	WATER RESOURCES DEPT, SAN JOAQUIN DIST
150	15 MC	FLOOD CONTROL+WATER CONS DIST (MCFC+WCD)
471	15 PV	BOWEN, OLIVER E., GEOLOGIST
489	15 PV	THORUP, RICHARD R, GEOLOGIST
362	15 SD	HARPER CANYON WATER DISTRICT

SURFACE WATER

215	16 CA	RESOURCES AGENCY
265	16 CA	WATER QUALITY CONTROL BD, CENTRAL COAST REGION
266	16 CA	WATER RESOURCES DEPT, SAN JOAQUIN DIST
61	16 MC	FLOOD CONTROL+WATER CONS DIST (MCFC+WCD)
192	16 PV	BESTOR, GEORGE C.+ASSOC INC, CIVIL ENGR
458	16 PV	KENNEDY ENGINEERS, INC
372	16 PV	KORETSKY KING ASSOCIATES
371	16 PV	MONTEREY COUNTY SURVEYORS, INC.
494	16 PV	SINGH, RAMESHWAR, HYDROLOGIST
440	16 RG	ASSOCIATION MONTEREY BAY AREA GOVERNMENTS (AMBAG)
361	16 SD	CASTROVILLE COUNTY WATER DISTRICT
456	16 US	NATIONAL ACADEMY OF SCIENCES
457	16 US	NATIONAL ACADEMY OF ENGINEERING
212	16 US	RECLAMATION BUREAU
272	16 US	WATER RESOURCES DIV, GEOLOGICAL SURVEY

CLIMATE

136	17 CA	WATER RESOURCES DEPT, SAN JOAQUIN DIST
248	17 US	FEDERAL AVIATION ADMIN, TRANS DEPT
167	17 US	FLEET NUMERICAL WEATHER CONTROL
147	17 US	GEOLOGICAL SURVEY
116	17 US	METEOROLOGY DEPT, NAVAL POSTGRADUATE SCHOOL
525	17 US	PACIFIC ENVIRONMENTAL GROUP, NOAA
169	17 US	WEATHER BUREAU

AIR QUALITY

34	18 AD	MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DIST AD
115	18 CA	AIR SANITATION BUREAU, PUBLIC HEALTH DEPT
369	18 CA	CALTRANS DIST 5
52	18 MC	AIR POLLUTION CONTROL DEPT
27	18 PV	MISSION COAST LUNG ASSN
22	18 RG	MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DIST HEAPING BD
189	18 RG	MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DIST
225	18 US	ENVIRONMENTAL PROTECTION AGENCY

Agency-Source Directory
Sort by Information Type (con't)

VEGETATION

NO	IN	JU	AGENCY-SOURCE NAME
179	19	CA	PARKS+REC DEPT
185	19	PV	CALIFORNIA NATIVE PLANT SOCIETY
484	19	PV	ENVIRONMENTAL LANDSCAPE SERVICE
496	19	PV	HARVEY, HARTESVELDT, HEATH+STANLEY, ECOLOGISTS
507	19	PV	HOWITT, BEATRICE, NATURALIST
491	19	PV	ROBINSON, RICHARD H, GRASSLAND ECOLOGIST
255	19	US	FOREST SERVICE
170	19	US	LAND MANAGEMENT BUREAU, INTERIOR DEPT

WILDLIFE

184	20	CA	FISH+GAME DEPT, REGION 3
163	20	CA	HASTINGS BIOLOGICAL RESERVATION
121	20	CA	MOSS LANDING MARINE LABORATORY, CA STATE UNIV SYSTEM
482	20	PV	POWERS, DAVID J, +ASSOC, ENVIRONMENTAL CONSULTANTS
490	20	PV	VANDEVERE, JUDSON, NATURALIST
210	20	PV	WILDLIFE SOCIETY, CENTRAL COAST CHAPTER
168	20	RG	CALIFORNIA COOP OCEANIC FISHERIES INVESTIGATIONS(CALCOFI)

AESTHETICS

269	21	MC	PLANNING DEPARTMENT
176	21	MC	UNDERGROUND UTILITIES REVIEW COMMISSION

NOISE

370	22	CA	CALTRANS DIST 5
207	22	MC	ENVIRONMENTAL HEALTH, HEALTH DEPT
183	22	MC	PLANNING DEPT
209	22	US	ENVIRONMENTAL PROTECTION AGENCY
238	22	US	FEDERAL HIGHWAYS ADMIN, TRANS DEPT

HAZARDS

476	23	AD	BAY AREA SAFETY INSPECTORS COMMITTEE (BASIC)
438	23	AD	MONTEREY FIRE PREVENTION COMMITTEE
152	23	CA	COUNTY SUPERVISOR'S ASSN OF CA
236	23	CA	ENVIRONMENTAL SCIENCE+ENGR, UCLA
120	23	CA	MINES+GEOLOGY DIV
128	23	CA	PUBLIC HEALTH DEPT
201	23	CA	RESOURCES AGENCY
486	23	MC	ANIMAL CONTROL DEPT
54	23	MC	BUILDING INSPECTION DEPT
9	23	MC	CIVIL DEFENSE DISASTER COUNCIL, TO ADMIN OFFICE
365	23	PV	ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS, SOCIETY OF
364	23	PV	PETROLEUM GEOLOGISTS, ASSN OF
229	23	US	ENERGY RESEARCH+DEV ADMIN
288	23	US	FORT ORD FACILITIES ENGR
187	23	US	URBAN PLANNING SECTION, ARMY CORPS OF ENGRS, SF DIST

Agency-Source Directory
Sort by Information Type (con't)

OTHER

NO	IN JU	AGENCY-SOURCE NAME
407	24 AD	AGUAJITO AD COMMITTEE, TO PLANNING DEPT
174	24 AD	AROMAS-HALL-PAJARO ADVISORY COMMITTEE, TO PLAN DEPT
408	24 AD	ASILOMAR AD COMMITTEE, TO PLANNING DEPT
409	24 AD	BIG SUR AD COMMITTEE, TO PLANNING DEPT
410	24 AD	CACHAGUA AD COMMITTEE, TO PLANNING DEPT
411	24 AD	CARMEL AD COMMITTEE, TO PLANNING DEPT
7	24 AD	CASTROVILLE ADVISORY COMMITTEE, TO PLANNING DEPT
412	24 AD	DEL MONTE FOREST AD COMMITTEE, TO PLANNING DEPT
413	24 AD	HIGHLANDS-BIXBY AD COMMITTEE, TO PLANNING DEPT
414	24 AD	JOLON-LOCKWOOD-SAN ANTONIO AD COMMITTEE, TO PLANNING DEPT
415	24 AD	LOWER CARMEL VALLEY AD COMMITTEE, TO PLANNING DEPT
417	24 AD	PRUNEDALE-ELKHORN AD COMMITTEE, TO PLANNING DEPT
419	24 AD	SANTA RITA-BORONDA-NATIVIDAD AD COMMITTEE, TO PLANNING DEPT
418	24 AD	SOUTH COAST AD COMMITTEE, TO PLANNING DEPT
420	24 AD	SPRECKELS AD COMMITTEE, TO PLANNING DEPT
421	24 AD	TOPO AD COMMITTEE, TO PLANNING DEPT
422	24 AD	UPPER CARMEL VALLEY AD COMMITTEE, TO PLANNING DEPT
213	24 CA	PLANNING + RESEARCH OFFICE
423	24 CI	CARMEL-BY-THE-SEA, CITY OF
424	24 CI	DEL REY OAKS, CITY OF
425	24 CI	GONZALES, CITY OF
426	24 CI	GREENFIELD, CITY OF
427	24 CI	KING CITY, CITY OF
188	24 CI	MARINA, CITY OF
429	24 CI	PACIFIC GROVE, CITY OF
430	24 CI	SALINAS COMMUNITY DEV DEPT
431	24 CI	SAND CITY, CITY OF
433	24 CI	SOLEDAD, CITY OF
466	24 CI	WATSONVILLE PLANNING DEPT
256	24 MC	BOARD OF SUPERVISORS
55	24 MC	COMMUNICATIONS DEPT
58	24 MC	COUNTY COUNSEL DEPT
252	24 MC	LIBRARY DIST
29	24 MC	LOCAL AGENCY FORMATION COMMISSION (LAFCO), TO ADMIN OFFICE
258	24 PV	CALIFORNIA NATURAL AREAS COORDINATING COUNCIL
156	24 PV	COUNCIL OF PLANNING LIBRARIANS
481	24 PV	KELL, J.R. + ASSOC
235	24 PV	MONTEREY PEN LEAGUE OF WOMEN VOTERS
529	24 PV	MONTEREY BAY AREA ENVIRONMENTAL CONSULTANTS
474	24 PV	PETERS, H.D., + ASSOC
480	24 PV	ROBERTS, JAMES A., ASSOC, INC
468	24 PV	RUTH, HERMAN D., + ASSOC
479	24 PV	SAN JERARDO COMMUNITY, INC, SALINAS
135	24 RG	CENTRAL COAST REGIONAL COASTAL ZONE CONS COMMISSION
127	24 RG	SAN BENITO COUNTY PLANNING DEPT
465	24 RG	SANTA CRUZ COUNTY PLANNING DEPT

Agency-Source Directory
Sort by Information Type (con't)

COASTAL

NO	IN	JU	AGENCY-SOURCE NAME
373	25	CA	COMP OCEAN AREA PLAN (COAP), NAVIGATION+OCEAN DEV DEPT
134	25	CA	FISH+GAME DEPT, REGION 3
124	25	CA	MARINE RESEARCH COMMISSION
158	25	CA	MARINE RESOURCES OPERATIONS, FISH+GAME DEPT
182	25	CA	MOSS LANDING MARINE LABORATORY, CA STATE UNIV SYSTEM
154	25	CA	NAVIGATION+OCEAN DEV DEPT
446	25	CA	SAN JOSE STATE UNIV UNPUB MA THESES
447	25	CA	UNIV CA, SANTA CRUZ, UNPUB THESES
450	25	PV	ENGINEERING-SCIENCE, INC, BERKELEY
515	25	PV	ENVIRONMENTAL QUALITY ANALYSTS INC
123	25	PV	HOPKINS MARINE STATION, CABRILLO POINT, STANFORD UNIV
445	25	PV	OCEANIC SERVICES, INC
524	25	PV	SCRIPPS INSTITUTE OF OCEANOGRAPHY
247	25	RG	CENTRAL COAST REGIONAL COASTAL ZONE CONS COMMISSION
504	25	SD	MONTEREY PEN COMMUNITY COLLEGE
157	25	US	ARMY CORPS OF ENGRS, SAN FRANCISCO DIST
162	25	US	COAST GUARD
444	25	US	COASTAL ZONE MANAGEMENT OFFICE, NOAA
521	25	US	COASTAL ZONE MANAGEMENT OFFICE, NOAA
160	25	US	COAST+GEODETIC SURVEY
522	25	US	ENVIRONMENTAL SCIENCE INFORMATION SERVICE, NOAA
119	25	US	FISH+WILDLIFE SERVICE
148	25	US	NATIONAL OCEANOGRAPHIC DATA CENTER
257	25	US	NATIONAL METEOROLOGICAL CENTER
161	25	US	NAVAL OCEANOGRAPHIC OFFICE
240	25	US	NAVAL POSTGRADUATE SCHOOL, M. R. MERICKEL
164	25	US	NUCLEAR REGULATORY COMMISSION
232	25	US	OCEANOGRAPHIC OFFICE
237	25	US	OCEANOGRAPHY DEPT, NAVAL POSTGRADUATE SCHOOL
30	25	US	PACIFIC ENVIRONMENTAL GROUP, NOAA
520	25	US	PACIFIC MARINE ENVIRONMENTAL LAB, NOAA
523	25	US	SEA GRANT OFFICE, NOAA
166	25	US	US NATIONAL MARINE FISHERIES SERVICE, COMMERCE DEPT

SOCIAL WELFARE

1	26	AD	ALCOHOLISM ADVISORY BOARD, TO HEALTH DEPT
8	26	AD	CHILD HEALTH DISABILITIES PREVENTION ADVISORY BOARD
19	26	AD	EMERGENCY MEDICAL CARE COMMITTEE, TO HEALTH DEPT
32	26	AD	MENTAL HEALTH ADVISORY BOARD, TO HEALTH DEPT
12	26	AD	SENIOR CITIZENS AD COMMISSION
15	26	AD	STATUS OF WOMEN COMMISSION
47	26	AD	TECHNICAL ADVISORY COMMITTEE ON DRUG ABUSE, TO HEALTH DEPT
10	26	MC	COMMUNITY SERVICES COMMISSION, TO COMMUNITY SERVICES DEPT
56	26	MC	COMMUNITY SERVICES DEPT
359	26	MC	JUVENILE JUSTICE COMMISSION
125	26	MC	MENTAL HEALTH PROGRAM
512	26	MC	PROBATION DEPT

Agency-Source Directory
Sort by Information Type (con't)

SOCIAL WELFARE (CON'T)

NO	IN JU	AGENCY-SOURCE NAME
42	26 MC	SAFETY COMMITTEE, TO ADMIN OFFICE
63	26 MC	SHERIFF'S DEPT
45	26 MC	SOCIAL SERVICES COMMISSION, TO SOCIAL SERVICES DEPT
277	26 MC	SOCIAL SERVICES DEPT
3	26 MC	SUB+STANDARD DWELLING APPEALS BOARD, TO BLDG INSPECTION DEPT
273	26 PV	ALLIANCE ON AGING INC

LAND USE

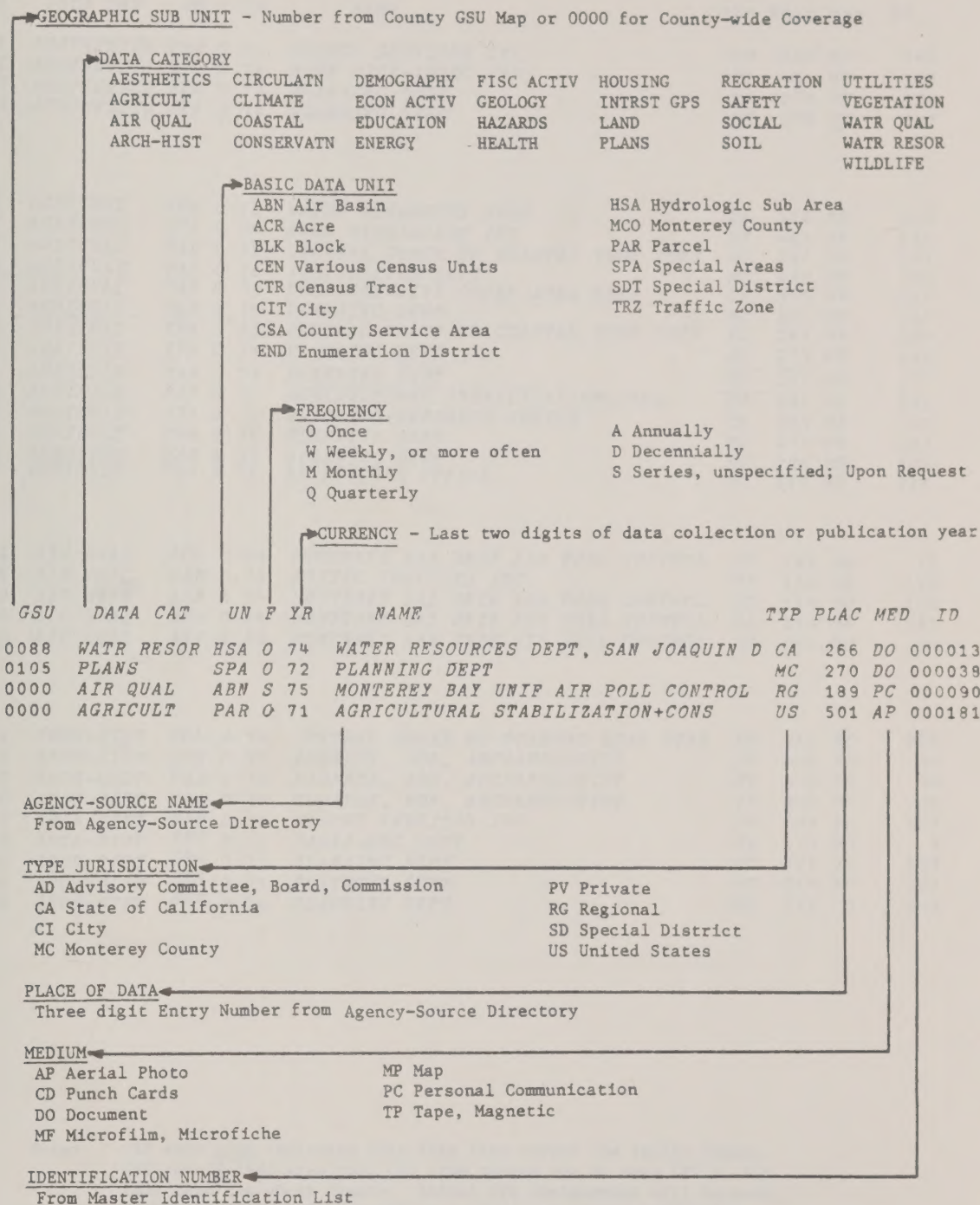
214	27 CA	PLANNING + RESEARCH OFFICE
488	27 MC	AIRPORT LAND USE COMMISSION
180	27 MC	ASSESSOR'S OFFICE
205	27 PV	REAL ESTATE RESEARCH CORPORATION
230	27 PV	REAL ESTATE DATA INC

APPENDIX C

ENVIRONMENTAL INFORMATION DIRECTORY

1. How to Read the List
2. Directory Sort by Data Category
3. Master Identification List

1. How to Read the List - Environmental Information Directory



2. Environmental Information Directory Sort by Data Category

GSU	DATA CAT	UN	P	YR	NAME	TYP	PLAC	MED	ID
X	AESTHETICS	PAR	O	75	WESTEC SERVICES INC	PV	500	DO	150
X	AESTHETICS	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	167
0000	AESTHETICS	SPA	O	73	PLANNING DEPT	MC	270	MP	208
0000	AESTHETICS	SPA	O	74	PLANNING DEPT	MC	270	DO	042
X	AGRICULT	SPA	O	73	WATER RESOURCES DEPT	CA	266	DO	142
X	AGRICULT	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	152
X	AGRICULT	PAR	O	75	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	175
X	AGRICULT	PAR	O	76	AGRICULTURE DEPT	MC	132	MP	205
X	AGRICULT	PAR	O	71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	137
X	AGRICULT	PAR	W	76	PLANNING DEPT	MC	221	MP	227
X	AGRICULT	SPA	O	73	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	200
0000	AGRICULT	SPA	O	74	PLANNING DEPT	MC	270	MP	206
0000	AGRICULT	PAR	O	73	PLANNING DEPT	MC	221	MP	177
0000	AGRICULT	PAR	O	71	AGRICULTURAL STABILIZATION+CONS	US	501	AP	181
0000	AGRICULT	SPA	O	74	PLANNING+RESEARCH OFFICE	CA	463	MP	10
0000	AGRICULT	SPA	O	74	PLANNING DEPT	MC	270	MP	207
0000	AGRICULT	PAR	W	75	PLANNING DEPT	MC	221	MP	176
0000	AGRICULT	PAR	W	76	ASSESSOR'S OFFICE	MC	050	MP	235
X	AIR QUAL	SPA	W	75	MONTEREY BAY UNIF AIR POLL CONTROL	RG	189	DO	16
X	AIR QUAL	PAR	O	75	WESTEC SERVICES INC	PV	500	DO	150
0000	AIR QUAL	ABN	A	74	MONTEREY BAY UNIF AIR POLL CONTROL	RG	189	DO	140
0000	AIR QUAL	ABN	O	74	MONTEREY BAY UNIF AIR POLL CONTROL	RG	189	MP	062
0000	AIR QUAL	ABN	S	75	MONTEREY BAY UNIF AIR POLL CONTROL	RG	189	PC	90
X	ARCH-HIST	SPA	O	74	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	DO	229
X	ARCH-HIST	SPA	O	74	EDWARDS, ROB, ARCHAEOLOGIST	PV	492	DO	93
X	ARCH-HIST	PAR	O	74	EDWARDS, ROB, ARCHAEOLOGIST	PV	492	DO	94
X	ARCH-HIST	PAR	O	74	EDWARDS, ROB, ARCHAEOLOGIST	PV	492	DO	95
X	ARCH-HIST	PAR	O	75	WESTEC SERVICES INC	PV	500	DO	150
0000	ARCH-HIST	SPA	O	73	PARKS+REC DEPT	CA	172	DO	8
0000	ARCH-HIST	SPA	O	71	PLANNING DEPT	MC	221	DO	149
0000	ARCH-HIST	SPA	O	74	PLANNING DEPT	MC	017	MP	222
0000	ARCH-HIST	SPA	O	74	PLANNING DEPT	MC	221	DO	043

Note: GSU code 0000 indicates that this item covers the entire County.
 GSU code X indicates that the item covers one or more GSU's, but less than the whole County. Actual GSU assignments will be made in the Directory implementation on data processing equipment.

Environmental Information Directory
Sort by Data Category (con't)

GSU	DATA CAT	UN	P	YR	NAME	TYP	PLAC	MED	ID
X	CIRCULATN	PAR	O	74	KELL, J R, +ASSOC	PV	481	DO	79
X	CIRCULATN	SPA	O	70	MONTEREY COUNTY TRANS STUDY	MC	113	DO	87
X	CIRCULATN	PAR	O	74	PEARSON, RUSSELL C, +ASSOC, TRANS	PV	497	DO	100
X	CIRCULATN	SPA	O	71	MONTEREY COUNTY TRANS STUDY	MC	113	DO	104
X	CIRCULATN	SPA	O	72	SMITH, WILBUR, +ASSOC, ENGR	PV	498	DO	106
X	CIRCULATN	SPA	O	72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	107
X	CIRCULATN	SPA	O	72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	108
X	CIRCULATN	SPA	O	72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	109
X	CIRCULATN	SPA	O	72	SMITH, WILBUR, +ASSOC, ENGR	PV	498	DO	110
X	CIRCULATN	PAR	O	75	WESTEC SERVICES INC	PV	500	DO	150
X	CIRCULATN	PAR	O	71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	137
X	CIRCULATN	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	154
X	CIRCULATN	TRZ	O	70	MONTEREY COUNTY TRANS STUDY	MC	113	MP	173
X	CIRCULATN	TRZ	O	73	PUBLIC WORKS DEPT	MC	143	MP	174
X	CIRCULATN	TRZ	O	70	MONTEREY COUNTY TRANS STUDY	MC	113	DO	65
0000	CIRCULATN	TRZ	Q	74	PUBLIC WORKS DEPT	MC	143	DO	71
0000	CIRCULATN	SPA	A	73	CALTRANS DIST 5	CA	220	DO	85
0000	CIRCULATN	SPA	A	70	MONTEREY COUNTY TRANS STUDY	MC	113	DO	103
0000	CIRCULATN	SPA	O	72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	105
0000	CIRCULATN	SPA	O	73	MONTEREY COUNTY TRANS STUDY	MC	113	DO	111
0000	CIRCULATN	SPA	O	73	MONTEREY COUNTY TRANS STUDY	MC	113	DO	112
0000	CIRCULATN	SPA	O	74	MONTEREY COUNTY TRANS STUDY	MC	113	DO	113
0000	CIRCULATN	SPA	O	75	VOORHEES, ALAN M, +ASSOC	PV	227	DO	114
0000	CIRCULATN	SPA	O	75	VOORHEES, ALAN M, +ASSOC	PV	227	DO	115
0000	CIRCULATN	SPA	O	71	PLANNING DEPT	MC	270	DO	231
0000	CIRCULATN	TRZ	O	73	MONTEREY COUNTY TRANS STUDY	MC	113	DO	120
0000	CIRCULATN	TRZ	O	74	MONTEREY COUNTY TRANS STUDY	MC	113	DO	122
0000	CIRCULATN	TRZ	A	74	MONTEREY COUNTY TRANS STUDY	MC	113	DO	131
0000	CIRCULATN	TRZ	O	71	MONTEREY COUNTY TRANS STUDY	MC	113	DO	132
0000	CIRCULATN	TRZ	O	72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	133
0000	CIRCULATN	TRZ	O	74	CALTRANS DIST 5	CA	220	DO	134
0000	CIRCULATN	TRZ	O	74	TECHNICAL AD COMMITTEE, TRANS STUDY	AD	245	DO	135
0000	CIRCULATN	SPA	A	74	CALTRANS DIST 5	CA	220	DO	136
0000	CIRCULATN	SPA	S	75	MOTOR VEHICLES DEPT	CA	268	DO	147
0000	CIRCULATN	SPA	O	74	PLANNING DEPT	MC	221	DO	042
0000	CIRCULATN	TRZ	S	75	CALTRANS DIST 5	CA	220	PC	72
X	CLIMATE	SPA	A	71	FLOOD CONTROL+WATER CONS DIST	MC	385	DO	230
X	CLIMATE	SPA	W	75	FEDERAL AVIATION ADMIN	US	248	DO	20
X	CLIMATE	SPA	O	73	ROBERTS, JAMES A, ASSOC INC	PV	480	DO	143
X	CLIMATE	PAR	O	75	WESTEC SERVICES INC	PV	500	DO	150
0000	CLIMATE	SPA	O	73	ASSOCIATION OF MONTEREY BAY AREA GO	RG	130	MP	216

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Environmental Information Directory
Sort by Data Category (con't)

GSU	DATA CAT	UN	F	YR	NAME	TYP	PLAC	MED	ID
X	COASTAL	PAR	O	75	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	DO	232
X	COASTAL	SPA	O	72	FISH+GAME DEPT	CA	134	DO	5
X	COASTAL	SPA	O	74	FISH+GAME DEPT	CA	134	DO	6
X	COASTAL	SPA	O	70	COMPREHENSIVE OCEAN AREA PLAN	CA	373	DO	19
X	COASTAL	PAR	O	71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	241
X	COASTAL	SPA	W	75	COAST+GEODETIC SURVEY	US	160	DO	56
X	COASTAL	SPA	O	74	PACIFIC GAS+ELECTRIC COMPANY	PV	196	DO	139
X	COASTAL	SPA	O	74	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	DO	229
X	COASTAL	PAR	O	71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	137
X	COASTAL	PAR	O	75	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	175
X	COASTAL	SPA	O	73	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	200
0000	COASTAL	MCO	O	66	FISH+GAME DEPT	CA	134	DO	3
0000	COASTAL	SPA	O	72	FISH+GAME DEPT	CA	184	DO	138
X	CONSERVATN	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	160
X	CONSERVATN	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	167
X	CONSERVATN	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	170
X	CONSERVATN	SPA	O	51	FORESTRY DIV	CA	206	MP	225
X	CONSERVATN	SPA	O	66	FOREST SERVICE	US	255	MP	224
X	CONSERVATN	PAR	W	76	PLANNING DEPT	MC	221	MP	227
0000	CONSERVATN	SPA	S	71	FISH+GAME DEPT	CA	184	DO	148
0000	CONSERVATN	SPA	O	74	PLANNING DEPT	MC	270	DO	041
0000	CONSERVATN	SPA	O	74	PLANNING DEPT	MC	221	DO	042
0000	CONSERVATN	SPA	O	74	PLANNING DEPT	MC	221	DO	043
0000	CONSERVATN	SPA	O	74	PLANNING DEPT	MC	270	MP	195
X	DEMOGRAPHY	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	168
X	DEMOGRAPHY	SPA	O	66	SPANGLE, WILLIAM, +ASSOC	PV	499	DO	144
X	DEMOGRAPHY	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	152
0000	DEMOGRAPHY	TRZ	O	72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	129
0000	DEMOGRAPHY	TRZ	A	74	MONTEREY COUNTY TRANS STUDY	MC	113	DO	130
0000	DEMOGRAPHY	CTR	D	70	CENSUS BUREAU	US	217	DO	192
0000	DEMOGRAPHY	CTR	S	75	PLANNING DEPT	MC	483	PC	74
X	ECON ACTIV	CEN	O	72	RURAL MANPOWER SERVICE OFFICE	CA	062	DO	86
0000	ECON ACTIV	TRZ	O	73	MONTEREY COUNTY TRANS STUDY	MC	113	DO	116
0000	ECON ACTIV	TRZ	A	73	MONTEREY COUNTY TRANS STUDY	MC	113	DO	117
0000	ECON ACTIV	TRZ	O	74	MONTEREY COUNTY TRANS STUDY	MC	113	DO	121
0000	ECON ACTIV	TRZ	A	74	MONTEREY COUNTY TRANS STUDY	MC	113	DO	125
0000	ECON ACTIV	TRZ	O	72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	126
0000	ECON ACTIV	TRZ	O	74	MONTEREY COUNTY TRANS STUDY	MC	113	DO	127
0000	ECON ACTIV	MCO	M	76	SECURITY PACIFIC BANK	PV	351	DO	198
0000	ECON ACTIV	MCO	O	70	EMPLOYMENT DEV DEPT	CA	274	DO	199

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Environmental Information Directory
Sort by Data Category (con't)

GSU	DATA CAT	UN F YR	NAME	TYP	PLAC	REF	ID
0000	EDUCATION	SDT A 75	EDUCATION OFFICE	MC	380	DO	223
0000	EDUCATION	SDT A 75	EDUCATION OFFICE	MC	380	MP	2
0000	EDUCATION	MCO O 74	EDUCATION DEPT	CA	478	DO	063
0000	EDUCATION	SDT W 76	ASSESSOR'S OFFICE	MC	050	MP	240
X	ENERGY	SPA O 74	PACIFIC GAS+ELECTRIC COMPANY	PV	196	DO	139
X	ENERGY	PAR O 71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	137
0000	ENERGY	PAR W 75	PLANNING DEPT	MC	221	MP	176
0000	FISC ACTIV	MCO O 72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	118
0000	FISC ACTIV	MCO O 72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	119
0000	FISC ACTIV	MCO A 75	ADMIN OFFICE	MC	017	DO	221
0000	FISC ACTIV	PAR S 75	ASSESSOR'S OFFICE	MC	050	PC	9
X	GEOLOGY	SPA O 46	MINES+GEOLOGY DIV	CA	211	DO	67
X	GEOLOGY	PAR O 74	BOWEN, OLIVER E, GEOLOGIST	PV	470	DO	11
X	GEOLOGY	SPA O 69	WATER RESOURCES DEPT	CA	266	DO	69
X	GEOLOGY	PAR O 73	BOWEN, OLIVER E, GEOLOGIST	PV	470	DO	78
X	GEOLOGY	PAR O 73	BOWEN, OLIVER E, GEOLOGIST	PV	470	DO	91
X	GEOLOGY	PAR O 74	BURKLAND+ASSOC, ENGR GEOLOGY	PV	495	DO	98
X	GEOLOGY	SPA S 75	FOREST SERVICE	US	255	DO	102
X	GEOLOGY	SPA O 73	ROBERTS, JAMES A, ASSOC	PV	480	DO	143
X	GEOLOGY	SPA O 66	SPANGLE, WILLIAM, +ASSOC	PV	499	DO	144
X	GEOLOGY	PAR O 75	WESTEC SERVICES INC	PV	500	DO	150
X	GEOLOGY	PAR O 71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	137
X	GEOLOGY	SPA O 74	HAHN WISE+ASSOC INC	PV	464	MP	153
X	GEOLOGY	SPA O 74	HAHN WISE+ASSOC INC	PV	464	MP	163
X	GEOLOGY	SPA O 75	BURKLAND+ASSOC, ENGR GEOLOGY	PV	495	MP	211
X	GEOLOGY	SPA O 75	BURKLAND+ASSOC, ENGR GEOLOGY	PV	495	MP	212
0000	GEOLOGY	SPA O 73	GEOLOGIC SURVEY	US	146	MP	226
0000	GEOLOGY	MCO O 75	PLANNING DEPT	MC	270	DO	12
0000	GEOLOGY	MCO O 66	MINES+GEOLOGY DIV	CA	211	DO	66
0000	GEOLOGY	SPA O 75	BURKLAND+ASSOC, ENGR GEOLOGY	PV	495	MP	209
0000	GEOLOGY	SPA O 75	BURKLAND+ASSOC, ENGR GEOLOGY	PV	495	MP	210
0000	GEOLOGY	SPA O 66	MINES+GEOLOGY DIV	CA	118	MP	213
0000	GEOLOGY	SPA O 74	PLANNING DEPT	MC	270	MP	214
0000	GEOLOGY	SPA O 74	PLANNING DEPT	MC	270	MP	215
0000	GEOLOGY	SPA O 73	MINES+GEOLOGY DIV	CA	118	DO	1

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Environmental Information Directory
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GSU	DATA CAT	UN	P	YR	NAME	TYP	PLAC	MED	ID
X	HAZARDS	PAR	O	75	WESTEC SERVICES INC	PV	500	DO	150
X	HAZARDS	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	163
X	HAZARDS	PAR	O	75	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	175
X	HAZARDS	SPA	O	75	BURKLAND+ASSOC, ENGR GEOLOGY	PV	495	MP	211
X	HAZARDS	SPA	O	75	BURKLAND+ASSOC, ENGR GEOLOGY	PV	495	MP	212
X	HAZARDS	SPA	O	67	ARMY CORPS OF ENGR	US	187	MP	76
X	HAZARDS	SPA	O	74	ARMY CORPS OF ENGR	US	187	MP	180
X	HAZARDS	SPA	O	73	GEOLOGIC SURVEY	US	233	DO	81
X	HAZARDS	SPA	S	75	ARMY CORPS OF ENGR	US	187	PC	14
0000	HAZARDS	PAR	S	75	ENVIRONMENTAL HEALTH, HEALTH DEPT	MC	207	PC	82
0000	HAZARDS	SPA	O	73	GEOLOGIC SURVEY	US	146	MP	226
0000	HAZARDS	MCO	O	75	PLANNING DEPT	MC	221	DO	233
0000	HAZARDS	SPA	O	74	PLANNING DEPT	MC	270	MP	196
0000	HAZARDS	SPA	O	73	CALTRANS DIST 5	CA	369	MP	197
0000	HAZARDS	SPA	O	75	BURKLAND+ASSOC, ENGR GEOLOGY	PV	495	MP	209
0000	HAZARDS	SPA	O	75	BURKLAND+ASSOC, ENGR GEOLOGY	PV	495	MP	210
0000	HAZARDS	SPA	O	75	PLANNING DEPT	MC	221	MP	228
0000	HAZARDS	SPA	S	75	ANIMAL CONTROL DEPT	MC	486	PC	58
0000	HEALTH	SPA	S	75	ANIMAL CONTROL DEPT	MC	486	PC	58
0000	HOUSING	CTR	O	70	PLANNING DEPT	MC	270	DO	17
0000	HOUSING	TRZ	O	72	MONTEREY COUNTY TRANS STUDY	MC	113	DO	123
0000	HOUSING	TRZ-A	73	MONTEREY COUNTY TRANS STUDY	MC	113	DO	124	
0000	HOUSING	CTR	D	70	CENSUS BUREAU	US	217	DO	192
0000	HOUSING	PAR	W	75	PLANNING DEPT	MC	270	MP	176
X	LAND	PAR	O	71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	241
X	LAND	PAR	O	71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	137
X	LAND	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	161
X	LAND	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	162
X	LAND	SPA	O	74	HAHN WISE+ASSOC INC	PV	464	MP	165
X	LAND	PAR	O	75	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	175
X	LAND	PAR	W	76	PLANNING DEPT	MC	221	MP	227
X	LAND	PAR	S	74	DEL MONTE PROPERTIFS	PV	191	PC	77
0000	LAND	TRZ	O	74	MONTEREY COUNTY TRANS STUDY	MC	113	DO	73
0000	LAND	TRZ	A	74	MONTEREY COUNTY TRANS STUDY	MC	113	DO	128
0000	LAND	PAR	W	75	PLANNING DEPT	MC	221	MP	176
0000	LAND	PAR	A	75	ASSESSOR'S OFFICE	MC	180	TP	178
0000	LAND	PAR	A	75	REAL ESTATE DATA INC	PV	230	AP	179
0000	LAND	PAR	O	71	AGRICULTURAL STABILIZATION+CONS	US	501	AP	181
0000	LAND	PAR	O	73	PLANNING DEPT	MC	221	MP	177

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GSU	DATA CAT	UN F YR	NAME	TYP	PLAC	MED	ID
X	PLANS	PAR 0 75	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	DO	232
X	PLANS	SPA 0 60	PLANNING DEPT	MC	270	DO	22
X	PLANS	SPA 0 72	PLANNING DEPT	MC	270	DO	23
X	PLANS	SPA 0 72	PLANNING DEPT	MC	270	DO	24
X	PLANS	CIT 0 67	PLANNING DEPT	MC	270	DO	25
X	PLANS	SPA 0 61	PLANNING DEPT	MC	270	DO	26
X	PLANS	SPA 0 62	PLANNING DEPT	MC	270	DO	27
X	PLANS	SPA 0 66	PLANNING DEPT	MC	270	DO	28
X	PLANS	SPA 0 64	PLANNING DEPT	MC	270	DO	29
X	PLANS	SPA 0 66	PLANNING DEPT	MC	270	DO	30
X	PLANS	SPA 0 68	PLANNING DEPT	MC	270	DO	31
X	PLANS	SPA 0 71	PLANNING DEPT	MC	270	DO	33
X	PLANS	SPA 0 69	PLANNING DEPT	MC	270	DO	34
X	PLANS	SPA 0 69	PLANNING DEPT	MC	270	DO	35
X	PLANS	SPA 0 73	PLANNING DEPT	MC	270	DO	36
X	PLANS	SPA 0 72	PLANNING DEPT	MC	270	DO	37
X	PLANS	SPA 0 72	PLANNING DEPT	MC	270	DO	38
X	PLANS	SPA 0 69	PLANNING DEPT	MC	270	DO	39
X	PLANS	SPA 0 70	PLANNING DEPT	MC	270	DO	40
X	PLANS	CIT 0 59	SEASIDE, CITY OF	CI	432	DO	44
X	PLANS	CIT 0 63	KING CITY	CI	427	DO	45
X	PLANS	CIT 0 66	SOLEDAD, CITY OF	CI	433	DO	46
X	PLANS	CIT 0 67	GONZALES, CITY OF	CI	425	DO	47
X	PLANS	PAR 0 66	PLANNING DEPT	MC	270	DO	48
X	PLANS	PAR 0 67	PLANNING DEPT	MC	270	DO	49
X	PLANS	PAR 0 66	PLANNING DEPT	MC	270	DO	50
X	PLANS	PAR 0 66	PLANNING DEPT	MC	270	DO	51
X	PLANS	PAR 0 67	PLANNING DEPT	MC	270	DO	52
X	PLANS	PAR 0 70	PLANNING DEPT	MC	270	DO	53
X	PLANS	PAR 0 70	PLANNING DEPT	MC	270	DO	54
X	PLANS	PAR 0 71	PLANNING DEPT	MC	270	DO	55
X	PLANS	SPA 0 74	HAHN WISE+ASSOC INC	PV	464	MP	151
X	PLANS	SPA 0 74	HAHN WISE+ASSOC INC	PV	464	MP	153
X	PLANS	SPA 0 74	HAHN WISE+ASSOC INC	PV	464	MP	156
X	PLANS	SPA 0 74	HAHN WISE+ASSOC INC	PV	464	MP	157
X	PLANS	SPA 0 74	HAHN WISE+ASSOC INC	PV	464	MP	160
X	PLANS	SPA 0 73	ROBERTS, JAMES A. ASSOC	PV	480	DO	143
X	PLANS	SPA 0 74	FLOOD CONTROL+WATER CONS DIST	MC	385	MP	186
X	PLANS	HSA 0 74	MONTEREY COUNTY SURVEYORS, INC	PV	371	DO	146
X	PLANS	SPA 0 74	HAHN WISE+ASSOC INC	PV	464	MP	166
X	PLANS	SPA 0 74	HAHN WISE+ASSOC INC	PV	464	MP	169
X	PLANS	SPA 0 68	PLANNING DEPT	MC	270	MP	171
X	PLANS	SPA 0 74	HAHN WISE+ASSOC INC	PV	464	MP	172
0000	PLANS	HSA 0 71	STATE WATER RESOURCES CONTROL BD	CA	363	DO	145
0000	PLANS	SPA 0 66	FISH+GAME DEPT	CA	275	DO	3
0000	PLANS	SPA 0 73	PARKS+REC DEPT	CA	171	DO	8
0000	PLANS	MCO 0 71	PLANNING DEPT	MC	270	DO	231
0000	PLANS	PAR A 75	ZONING ADMIN	MC	126	DO	21
0000	PLANS	MCO 0 68	PLANNING DEPT	MC	270	DO	32
0000	PLANS	SPA 0 74	PLANNING DEPT	MC	270	DO	41
0000	PLANS	SPA 0 74	PLANNING DEPT	MC	270	DO	42
0000	PLANS	SPA 0 74	PLANNING DEPT	MC	270	DO	43
0000	PLANS	MCO 0 72	PUBLIC WORKS DEPT	MC	143	DO	59
0000	PLANS	MCO 0 74	EDUCATION DEPT	CA	478	DO	63
0000	PLANS	MCO 0 75	PLANNING DEPT	MC	221	DO	233
0000	PLANS	SPA 0 75	VOORHEES, ALAN M.+ASSOC	PV	227	DO	114
0000	PLANS	SPA 0 75	VOORHEES, ALAN M.+ASSOC	PV	227	DO	115
0000	PLANS	SPA 0 73	MINES+GEOLOGY DIV	CA	118	DO	1

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Environmental Information Directory
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GSU	DATA CAT	UN	F YR	NAME	TYP	PLAC	MED	ID
X	RECREATION	SPA	S 75	FOREST SERVICE	US	255	DO	102
X	RECREATION	PAR	O 71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	137
X	RECREATION	SPA	O 74	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	DO	229
X	RECREATION	SPA	O 74	HAHN WISE+ASSOC INC	PV	464	MP	159
X	RECREATION	SPA	O 74	HAHN WISE+ASSOC INC	PV	464	MP	160
X	RECREATION	SPA	O 74	HAHN WISE+ASSOC INC	PV	464	MP	164
X	RECREATION	SPA	O 74	HAHN WISE+ASSOC INC	PV	464	MP	170
X	RECREATION	PAR	O 75	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	175
X	RECREATION	SPA	O 56	FOREST SERVICE	US	255	MP	224
X	RECREATION	SPA	O 51	FORESTRY DIV	CA	206	MP	225
0000	RECREATION	SPA	O 73	PARKS+REC DEPT	CA	172	DO	9
0000	RECREATION	SPA	O 60	PARKS+REC DEPT	CA	171	DO	101
0000	RECREATION	SPA	O 74	PLANNING DEPT	MC	270	MP	194
0000	RECREATION	SPA	O 74	PLANNING DEPT	MC	270	MP	194
0000	RECREATION	SPA	O 71	PLANNING DEPT	MC	270	DO	231
X	SAFETY	PAR	O 75	WESTEC SERVICES INC	PV	500	DO	150
0000	SAFETY	MCO	O 75	PLANNING DEPT	MC	221	DO	233
X	SOIL	PAR	O 72	REYNOLDS+ASSOC	PV	487	DO	83
X	SOIL	SPA	S 75	FOREST SERVICE	US	255	DO	102
X	SOIL	PAR	O 75	WESTEC SERVICES INC	PV	500	DO	150
X	SOIL	SPA	O 74	HAHN WISE+ASSOC INC	PV	464	MP	155
0000	SOIL	SPA	O 74	PLANNING DEPT	MC	270	MP	193
0000	SOIL	MCO	O 73	SOIL CONS SERVICE	US	186	MP	57
0000	SOIL	PAR	S 75	SOIL CONS SERVICE	US	186	PC	70
X	UTILITIES	SPA	O 72	PLANNING DEPT	MC	270	DO	37
X	UTILITIES	SPA	O 69	PLANNING DEPT	MC	270	DO	39
X	UTILITIES	SPA	O 70	PLANNING DEPT	MC	270	DO	40
X	UTILITIES	CIT	O 72	BROWN+CALDWELL, CONSULTING ENGR	PV	453	DO	64
X	UTILITIES	SPA	O 74	PACIFIC GAS+ELECTRIC COMPANY	PV	196	DO	139
X	UTILITIES	PAR	O 75	WESTEC SERVICES INC	PV	500	DO	150
0000	UTILITIES	MCO	O 72	PUBLIC WORKS DEPT	MC	143	DO	59
0000	UTILITIES	SPA	W 75	HEALTH DEPT	MC	254	DO	60
0000	UTILITIES	PAR	W 75	PLANNING DEPT	MC	221	MP	177
0000	UTILITIES	SPA	W 76	PACIFIC GAS+ELECTRIC COMPANY	PV	196	MP	236
0000	UTILITIES	SPA	W 76	PACIFIC GAS+ELECTRIC COMPANY	PV	196	MP	237
0000	UTILITIES	SPA	A 76	PACIFIC GAS+ELECTRIC COMPANY	PV	196	MP	238
0000	UTILITIES	SDT	W 76	LOCAL AGENCY FORMATION COMMISSION	MC	029	MP	239
0000	UTILITIES	SDT	W 76	ASSESSOR'S OFFICE	MC	050	MP	240

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X	VEGETATION	PAR O 75	PLANNING DEPT	MC	269	DO	61
X	VEGETATION	PAR O 73	VANDEVERE, JUDSON, NATURALIST	PV	470	DO	92
X	VEGETATION	PAR O 73	ROBINSON, RICHARD H, GRASSLAND ECOL	PV	491	DO	92
X	VEGETATION	PAR O 74	HARVER, HERTESVELDT, HEATH+STANLEY	PV	496	DO	99
X	VEGETATION	SPA S 75	FOREST SERVICE	US	255	DO	102
X	VEGETATION	PAR O 71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	137
X	VEGETATION	SPA O 74	PACIFIC GAS+ELECTRIC COMPANY	PV	196	DO	139
X	VEGETATION	SPA O 74	CALIFORNIA NATIVE PLANT SOCIETY	PV	259	DO	141
X	VEGETATION	SPA O 73	ROBERTS, JAMES A, ASSOC	PV	480	DO	143
X	VEGETATION	PAR O 75	WESTEC SERVICES INC	PV	500	DO	150
X	VEGETATION	PAR O 75	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	175
X	VEGETATION	SPA O 66	FOREST SERVICE	US	255	MP	224
X	VEGETATION	SPA O 51	FORESTRY DIV	CA	206	MP	225
0000	VEGETATION	SPA O 74	CALIFORNIA NATIVE PLANT SOCIETY	PV	185	DO	15
0000	VEGETATION	SPA O 60	PARKS+REC DEPT	CA	171	DO	101
0000	VEGETATION	MCO O 74	PLANNING DEPT	MC	181	MP	182
0000	VEGETATION	MCO O 75	GEOLOGICAL SURVEY	US	146	MP	183
0000	VEGETATION	SPA O 70	SOIL CONS SERVICE	US	186	MP	184
0000	VEGETATION	SPA O 40	FOREST SERVICE	US	255	MP	234
X	WATR QUAL	SPA O 74	WATER RESOURCES DEPT, SAN JOAQUIN D	CA	136	DO	18
X	WATR QUAL	SPA O 74	GEOLOGIC SURVEY	US	146	MP	219
X	WATR QUAL	SPA O 74	ARMY CORPS OF ENGRS, SAN FRANCISCO	US	187	MP	180
X	WATR QUAL	SPA O 73	ASSOCIATION OF MONTEREY BAY AREA GO	RG	130	MP	217
0000	WATR QUAL	HSA O 71	STATE WATER RESOURCES CONTROL BD	CA	363	DO	145
0000	WATR QUAL	SPA A 71	FLOOD CONTROL+WATER CONS DIST	MC	385	MP	220
0000	WATR QUAL	SPA A 75	HEALTH DEPT	MC	207	MP	218
0000	WATR QUAL	SPA W 76	HEALTH DEPT	MC	254	DO	60
0000	WATR QUAL	SPA O 72	STATE WATER RESOURCES CONTROL BD	CA	363	DO	7
X	WATR RESOR	HSA O 74	WATER RESOURCES DEPT, SAN JOAQUIN D	CA	266	DO	13
X	WATR RESOR	SPA O 74	WATER RESOURCES DEPT, SAN JOAQUIN D	CA	136	DO	18
X	WATR RESOR	SPA O 75	BESTOR, GEORGE C, ASSOC	PV	192	DO	75
X	WATR RESOR	SPA O 67	ARMY CORPS OF ENGRS, SAN FRANCISCO	US	187	MP	76
X	WATR RESOR	SDT O 71	THORUP, RICHARD R, GEOLOGIST	PV	489	DO	88
X	WATR RESOR	PAR O 73	THORUP, RICHARD R, GEOLOGIST	PV	489	DO	89
X	WATR RESOR	PAR O 74	SINGH, RAMESHWAR, HYDROLOGIST	PV	494	DO	96
X	WATR RESOR	PAR O 74	ECOLOGICAL IMPACT STUDIES INC ECIS	PV	493	DO	97
X	WATR RESOR	PAR O 71	COMPREHENSIVE OCEAN AREA PLAN	CA	373	MP	137
X	WATR RESOR	SPA O 73	WATER RESOURCES DEPT, SAN JOAQUIN D	CA	266	DO	142
X	WATR RESOR	SPA O 73	ROBERTS, JAMES A, ASSOC	PV	480	DO	143
X	WATR RESOR	SPA O 73	WATER RESOURCES DEPT, SAN JOAQUIN D	CA	266	MP	190
X	WATR RESOR	HSA O 74	MONTEREY COUNTY SURVEYORS INC	PV	371	DO	146
X	WATR RESOR	PAR O 75	WESTEC SERVICES INC	PV	500	DO	150
X	WATR RESOR	HSA O 74	HAHN WISE+ASSOC INC	PV	464	MP	158
X	WATR RESOR	SPA O 71	FLOOD CONTROL+WATER CONS DIST	MC	385	MP	191
X	WATR RESOR	SPA O 74	FLOOD CONTROL+WATER CONS DIST	MC	385	MP	186
0000	WATR RESOR	HSA O 71	STATE WATER RESOURCES CONTROL BD	CA	363	DO	145
0000	WATR RESOR	SPA A 70	FLOOD CONTROL+WATER CONS DIST	MC	385	MP	185
0000	WATR RESOR	SPA A 73	FLOOD CONTROL+WATER CONS DIST	MC	061	DO	68
0000	WATR RESOR	HSA O 71	FLOOD CONTROL+WATER CONS DIST	MC	385	MP	187
0000	WATR RESOR	SPA O 74	PLANNING DEPT	MC	181	MP	188
0000	WATR RESOR	SPA O 74	PLANNING DEPT	MC	181	MP	189
0000	WATR RESOR	SPA A 71	FLOOD CONTROL+WATER CONS DIST	MC	385	DO	230

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Environmental Information Directory
Sort by Data Category (con't)

GSU	DATA CAT	UN F YR	NAME	TYP	PLAC	MED	ID
X	WILDLIFE	SPA O 72	FISH+GAME DEPT	CA	134	DO	5
X	WILDLIFE	PAR O 73	VANDEVERE, JUDSON, NATURALIST	PV	490	DO	92
X	WILDLIFE	PAR O 74	HARVEY, HERTESVELDT, HEATH+STANLEY	PV	496	DO	99
X	WILDLIFE	SPA O 74	PACIFIC GAS+ELECTRIC COMPANY	PV	196	DO	139
X	WILDLIFE	SPA O 73	ROBERTS, JAMES A. ASSOC	PV	480	DO	142
X	WILDLIFE	PAR O 75	WESTEC SERVICES INC	PV	500	DO	150
X	WILDLIFE	PAR O 75	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	175
X	WILDLIFE	SPA O 73	CENTRAL COAST RG COASTAL ZONE CONS	RG	247	MP	200
X	WILDLIFE	SPA O 67	FISH+GAME DEPT	CA	184	MP	201
X	WILDLIFE	SPA O 73	ASSOCIATION OF MONTEREY BAY AREA GO	RG	130	MP	203
X	WILDLIFE	SPA O 74	PLANNING DEPT	MC	184	MP	204
0000	WILDLIFE	MCO O 66	FISH+GAME DEPT	CA	184	DO	3
0000	WILDLIFE	SPA O 72	FISH+GAME DEPT	CA	184	DO	80
0000	WILDLIFE	SPA O 72	ENVIRONMENTAL PROTECTION AGENCY	US	209	DO	84
0000	WILDLIFE	SPA O 60	PARKS+REC DEPT	CA	171	DO	101
0000	WILDLIFE	SPA O 72	FISH+GAME DEPT	CA	184	DO	138
0000	WILDLIFE	SPA S 71	FISH+GAME DEPT	CA	184	DO	148
0000	WILDLIFE	MCO O 72	GEOLOGIC SURVEY	US	146	MP	183
0000	WILDLIFE	SPA O 74	PLANNING DEPT	MC	270	MP	202
0000	WILDLIFE	SPA S 75	FISH+GAME DEPT	CA	184	PC	4
0000	WILDLIFE	SPA S 75	ANIMAL CONTROL DEPT	MC	486	PC	58

Note: GSU code 0000 indicates that this item covers the entire County.
GSU code X indicates that the item covers one or more GSU's, but less than the whole County. Actual GSU assignments will be made in the Directory implementation on data processing equipment.

3. MASTER IDENTIFICATION LIST
(ID Numbers Correspond to the ID Column of the EID)

ID NO.

000001	Urban Geology Master Plan for California, W.G. Gruer, Bull. 198
000002	School Districts, 1" = 6 mi
000003	California Fish + Wildlife Plan, Jan. 1, 1966, Vol II
000004	Statement on Rare + Endangered Wildlife, contact Gene Gerdes
000005	Natural Resources of Elkhorn Slough, Coastal Wetland Series No. 4, 105 pp
000006	Acquisition Priorities for the Coastal Wetlands of California
000007	Wildland Soils, Vegetation + Activities Affecting Water Quality
000008	California History Plan, Vol II, Inventory of Historic Features, 222 pp, 16 fig.
000009	Assessed Value, Undeveloped/Developed Parcels, Tax Rate, Special Districts
000010	Prime Agricultural Lands, 1:250,000, Report 16 pp
000011	Geology of Carmel Valley Ranch Pertinent to Subdivision + Development Beginning in 1975, for EIR 75-100
000012	County Wide Seismic Safety Element
000013	Zone II Investigation, Carmel Valley + Seaside Ground Water Basins, for EIR 75-100, update of 1967 Flood Plain Study, Carmel River
000014	Flood Hazard Evaluation for Carmel Valley Ranch, for EIR 75-100, update of 1967 Carmel Valley Flood Plain Study
000015	Inventory of Rare + Endangered Vascular Plants of California, Special Publication No. 1, W. Robert Powell, ed.
000016	Oxidant Readings Hourly, at Point Locations
000017	Housing Element
000018	Salinas Highlands Investigation
000019	Permanent Coastal Zone Data Inventory + Information System
000020	Weather Monitoring Reports
000021	Zoning Ordinance 911
000022	Toro Area Master Plan

ID NO.

000023	Moss Landing Area Development Plan
000024	Central Salinas Valley General Plan
000025	Marina Master Plan
000026	Carmel Valley Master Plan
000027	Coast Master Plan
000028	North County General Plan
000029	South County General Plan
000030	Monterey Peninsula Area General Plan
000031	Greater Salinas Area General Plan
000032	General Plan
000033	General Plan for Nacimiento/San Antonio Planning Area
000034	Carmel Highlands/Carmel Riviera Master Plan
000035	Santa Rita Area Community Plan
000036	Castroville General Plan
000037	South County Comprehensive Plan for Water + Sewer Development
000038	New Playto Road Area Mini-Master Plan
000039	North County Public Facilities Element
000040	Carmel Valley/Carmel Highlands Public Facilities Plan
000041	Conservation/Open Space Element
000042	Scenic Highways Element
000043	Historical Element
000044	Seaside Master Plan
000045	King City Master Plan
000046	Soledad General Plan
000047	Gonzales General Plan
000048	Rancho San Carlos Master Plan, by Riches Research
000049	Laguna Seca Ranch Plan, by Whisler + Patri

ID NO.

000050	Del Monte Plan, by Willshaw + Assoc
000051	Conservation Plan for Three Ranches, by Whisler + Patri
000052	Oak Hills Master Plan, by Neil Engineers
000053	Villa Nueva General Plan, by Neil Engineers
000054	Hidden Hills North, by Indian Ridges Development Corporation
000055	Hidden Hills West, by Indian Ridges Development Corporation
000056	Tides + Currents
000057	Soils Map, 1:24,000
000058	Animal hazard assessment
000059	Monterey County Functional Plan for Water, Sewer + Storm Drains
000060	Well Readings
000061	EIR 75-103, San Jerardo, Inc
000062	Air Quality Sampling Sites, 1" = 8 miles
000063	California Master Plan for Migrant Education
000064	Sewer + Drainage Study, City of Salinas
000065	Origin + Destination Survey, SMATS, Vol. II, 1970, 147 pp
000066	Geology of Northern California, Bull. 190
000067	Geology of the San Juan Bautista Quadrangle, Bull. 133
000068	Ground Water + Climatology for Water Year
000069	Geology of Lower Portion Salinas Valley Ground Water Basin
000070	Field Assessment of Soil Capability
000071	Annual Average Daily Traffic Report (AADT) 1969-1973, 33 pp
000072	Up to Date Traffic Flows
000073	Land Use Inventory
000074	Census Update, Foster Thompson
000075	Drainage Study for Cypress Greens, EIR 75-105
000076	Carmel Valley Floodplain Study, 1" = 640', MCFC+WCD
000077	Update Land Use by Acre

ID NO.

000078 Geology of the Macomber Property, for EIR 75-106

000079 Del Monte Forest Project Traffic Planning Study

000080 At the Crossroads, A Report on California's Rare Fish + Wildlife

000081 Faults + Earthquakes in the Monterey Bay Region, California,
by H.G. Green et al. Basic Data Contribution 58

000082 Noise Level Assessment.

000083 Soils Report for Lyons Property (Oak Hills), for EIR 74-100

000084 Effects of Noise on Wildlife and Other Animals, N.T.D. 300.5

000085 Traffic Volumes on the California State Highway System

000086 South Monterey County Manpower Survey

000087 Salinas-Monterey Area Transportation Study, Vol 2

000088 Ground Water Survey for Toro Water District, or
Ground Water Report for Toro Water Committee

000089 Ground Water Investigation Villas Carmel del Pacifico, Carmel
Valley, for EIR 74-106

000090 Vehicle and Fixed-Point Emissions, contact E. Munson

000091 Geology of that Part of the James Meadows Spanish Land Grant
Lying Between Canada de la Segunda + Canada de la Ordena,
Pertinent to Subdivision of the Property into Homesites, for
EIR 74-106

000092 Plant + Wildlife Inventory, Villas Carmel de Pacifico, for EIR 74-106

000093 San Benancio Canyon Road Realignment Archaeological Aspect

000094 Archaeological Reconnaissance of the Proposed Villas Carmel del
Pacifico Subdivision, for EIR 74-106

000095 Archaeological Aspects of Environmental Study of Jacks Peak
County Park, for EIR 74-116

000096 Hydrologic Assessment, for EIR 74-110, 6 pp

000097 Ground Water Supply, for EIR 74-110, Arthur G. Schwartz

000098 Geologic Assessment, for EIR 74-110

000099 Ecological Assessment, for EIR 74-110

000100 Traffic Assessment, for EIR 74-110

ID NO.

000101	Recreation Resources Plan, Parts I, II
000102	Alternatives for Management, Big Sur Coastal Planning Unit
000103	Annual Report
000104	Opinion Questionnaire Report, SMATS, 15 pp
000105	Continuing Operation Plan Report
000106	Public Transportation in Monterey County Summary Report, SMATS, 16 pp
000107	Central Business District O + D Survey, SMATS, 30 pp
000108	Origin + Destination Accuracy Checks Report, SMATS
000109	Visitor Travel Survey, SMATS, 42 pp
000110	Public Transportation Inventory, SMATS 130 pp
000111	Postcard Survey
000112	Screenline Interview Survey
000113	Public Transportation Inventory
000114	Monterey County Transportation Plan EIR, for MC Transportation Study
000115	Monterey County Transit Plan, for MC Transportation Study
000116	Employment Inventory - Base Year 1970
000117	Employment Inventory Update
000118	Financial Resources for Streets + Highways
000119	Study Expenditures Through 1970-1971 Fiscal Year
000120	Summary of 1995 Forecasts
000121	Financial Forecast Report 1995
000122	Parking Forecast 1995
000123	Housing Inventory Base Year 1970
000124	Housing Inventory Update
000125	Income Inventory
000126	Comparison of Median Annual Income (Census vs. O-D)

ID NO.

000127	Income Inventory Study
000128	Land Use Inventory Update
000129	Population Inventory
000130	Population Inventory Update
000131	Physical Street Inventory, 1970
000132	Screen Line + External Station, 1970 ADT
000133	Traffic Volume Trends, 1971
000134	Commodity Movements Inventory + Forecast, for MC Transportation Study, 65 pp
000135	Forecast Year Report, 1973, for MC Transportation Study
000136	Highways Newsletter, MC
000137	General Inventory, Land Use/Site Characteristics, 1:24,000, 80 categories. Now held by California State Coastal Commission.
000138	California's Endangered Rare Fish + Wildlife, 99 pp
000139	Moss Landing Power Plant Fuel Oil Storage, Environmental Information, 46 pp
000140	Annual Report on Air Quality
000141	Vascular Plants - Toro Regional Park, by Griffin, James J.
000142	Sea Water Intrusion - Lower Salinas Valley, Monterey County
000143	Del Monte Forest Comprehensive Plan - Natural Environmental Resources Report
000144	Slope Density Study of Carmel Valley, available from MC Planning Department
000145	Water Quality Control Plan for the Central Coastal Basin (Basin 3)
000146	Monterey County Master Drainage Plan - El Toro Creek Watershed, For MCFC + WCD
000147	Motor Vehicle Registrations, unpublished
000148	Status Report on California's Threatened Amphibians + Reptiles, by Burg, R. Bruce in Inland Fisheries Administrative Report No. 72-2
000149	Monterey County Historical Inventory
000150	Toro Vista Project Environmental Resources Survey Report, 95 pp + Appendix, 24 fig.

<u>ID NO.</u>	
000151	Base Map, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000152	Basic Density of Open Space, Agriculture + Other Areas, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI b-3
000153	General Plan with Topo Overlay, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000154	Existing Streets + Highways, Monterey Peninsula Area Plan, 1:24,000, Role File XVI B-3
000155	Soils, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000156	Composite of Existing Plans, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000157	Sketch Plan, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000158	Watersheds, Monterey Peninsula Area Plan, 1:24,000, Roll XVI B-3
000159	Proposed Parks + Open Space, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000160	Open Space Plan, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000161	Major Properties, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000162	Public Lands Inventory, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000163	Geologic Hazards + Flood Areas, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000164	Park + Recreation Inventory, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000165	Existing Land Use, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000166	Plan Areas, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000167	Areas of Special Scenic + Environmental Importance, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000168	Population Distribution, Monterey Peninsula Area Plan, 1:24,000, Roll File XVI B-3
000169	Composite of Existing Plans, Monterey Peninsula Area Plan, 1:72,000, Flat File 6
000170	Lands Dedicated to Open Space on the Monterey Peninsula, Monterey Peninsula Area Plan, 1:24,000, Flat File 6

ID NO.

000171 General Plan, Monterey Peninsula Area Plan, 1:72,000, Flat File 6

000172 Sketch Plan, Monterey Peninsula Area Plan, 1:72,000, Flat File 6

000173 Origin + Destination Survey, Monterey Peninsula Area Plan, 1:126,720, Flat File 6

000174 Average Daily Traffic, Monterey Peninsula Area Plan, 1:72,000. Flat File 6

000175 Coastal Resources Maps, 1:250,000, found only in Preliminary Coastal Plan

000176 Land Use Map, 1" = 1000', 23 map categories, 103 sheets

000177 Shaded Land Use Map, 1" = 1000', 5 map categories

000178 Parcel Records, 75 land use codes

000179 Real Estate Atlas for Monterey County, 1:12,000

000180 Pajaro Valley Flood Plain, 1" = 2 miles, MCFC + WCD

000181 Aerial Photos, 1:4800, print or acetate film

000182 Vegetation Communities, 1" = 4 miles in OS CONS Element, 4 map categories, sepia

000183 Topographic Quad Sheets, 1:24,000, also mylar

000184 Vegetation Cover Type Map, 1:250,000, 11 map categories, contact D.H. Briggs, River Basin Planning Staff Leader, 2828 Chiles Rd., Davis, CA 95616. Prepared from U.S. Forestry Service Maps, MID 234.

000185 Well Locations, Ground Water Contours, Water Quality, 1:4800

000186 Master Drainage Plan, Drainage, Flood Plain Ground Water Contours, Stream Flow, 1:4800

000187 Watershed Maps, 1" = 1 mile, photo transparencies

000188 Ground Water Basins, 1" = 4 miles in OS CONS Element

000189 Water Sources, 1" = 4 miles in OS CONS Element

000190 Extent of Salt Water Intrusion in the Salinas Valley, 1" = 1.43 miles, MCFC + WCD

000191 Ground Water Troughs + Salinity of Coastal Aquifers, 1" = 4 miles

000192 Census Data

000193 General Soils, 1" = 4 miles in OS CONS Element

000194 Recreation Lands, 1" = 4 miles in OS CONS Element

ID NO.

000195 Open Space Lands, 1" = 4 miles in OS CONS Element, 4 map categories

000196 Hazard Areas, 1" = 4 miles in OS CONS Element, Faults, Flood-prone

000197 Corridor Maps of Sound Level Contours, 1" = .25 mile

000198 Monthly Summary of Business Conditions

000199 Manpower Report, Central Coast Counties

000200 Coastal Zone Maps, 1" = 1 mile, special marine environments, riparian corridors, habitat

000201 Sea Otter Distribution, 1" = 15 miles in MCO OS CONS Element

000202 Rare + Endangered Wildlife + Habitats, 1" = 4 miles in OS CONS Element

000203 Important Fisheries, 1:24,000, AMBAG Water Quality Management Plan

000204 Harbors + Fisheries, 1" = 4 miles in OS CONS Element, 6 map categories

000205 Crop Map on Ranch Name Map, 1" = .5 mile, permanent crops by field

000206 Major Agricultural Crops, 1" = 4 miles, in OS CONS Element, 8 categories

000207 Agricultural Preserves + Zoning, 1" = 4 miles in OS CONS Element, 4 categories

000208 Scenic Corridors, 1" = 4 miles in OS CONS Element

000209 Landslide + Erosion Susceptibility Map 4, 1:125,000, for Geotechnical Study

000210 Potential Seismic Hazards, Map 5, 1:125,000, for Geotechnical Study

000211 Geotechnical Evaluation Maps, 1:12,000, for Geotechnical Study

000212 Geotechnical Evaluation Maps of Northern Monterey County, 1:24,000, for Geotechnical Study

000213 Geologic Map of Monterey County, 1:250,000, in back pocket of Report 5

000214 Mineral Resources, 1" = 4 miles, in OS CONS Element

000215 General Slope, 1" = 4 miles, in OS CONS Element

000216 Equal Mean Seasonal Precipitation, 1" = 9.3 miles, AMBAG Water Quality Management Plan

000217 Areas Sensitive to Waste Discharges, 1:24,000, in Water Quality Management Plan + MC OS CONS Element

ID NO.

000218	Water Monitoring Map, 1" = 8 miles, 110 locations
000219	Flood Prone Areas Study, 1:24,000, MCFC + WCD
000220	Sampling Well Locations + Water Quality, 1" = 400'
000221	County Budget
000222	Archaeological and Historical Resources, 1" = 4 miles in OS CONS Element
000223	Statistical Report
000224	Los Padres National Forest, 1" = 2 miles
000225	Los Padres National Forest, 1" = 2 miles
000226	Faults + Earthquake Epicenters, 1:200,000
000227	Agricultural Land Conservation Program Preserves Agreement, 1" = 2 miles
000228	Flood + Fire Hazards, 1" = 2 miles, 5 sheets, mylar
000229	Evaluation of Archeological Resources of Coastal Zone by Treathaway et al. Technical Report on Recreation.
000230	Groundwater + Climatology for Water Year
000231	Recreational Trails Plan
000232	California Coastal Plan
000233	Safety Element
000234	Vegetation Types, 1:62,500, 37 categories available from Regional Forester, U.S. Forest Service, 630 Sansome St., San Francisco 94111
000235	Agricultural Preserve Map
000236	Pole and Tower Locations, Electric Transmission Lines and Sub- stations, 1:24,000, on USGS quad base
000237	Gas Lines and Related Facilities, 1:24,000, mylar overlays of USGS quad maps
000238	PG & E Land Ownership, 1:24,000, mylar overlays of USGS quad maps
000239	Special District Maps, varying scales with parcel level detail
000240	Taxing Boundary Maps, 500 sheets at parcel level detail
000241	Land Ownership, 1:24,000, 30 categories, now held by California State Coastal Commission

APPENDIX D

INSTRUCTIONS FOR CODING ENVIRONMENTAL INFORMATION DIRECTORY ENTRIES

1. Geographic Description
2. Data Description
3. Agency-Source Description
4. Locator Information

1.a Geographic Sub Unit (GSU) col 1-4

If data has been collected from the County as a whole, or from all parts of it, enter 0000. A GSU of 0000 is also correct for entries of data on phenomena which have been surveyed county-wide, but which exist only in certain locations, such as highway circulation, historical landmarks, earth faults, critical habitats, etc.

115

Cross Reference tables showing correspondence between GSU's, Census Tracts, Traffic Zones and Cities are available. Additional cross references between GSU's and other standard units, such as school districts, special districts, etc., will be prepared in the future.

[illegible]

2.a Data Category col 7-16

What kind of data has been collected?

Choose from the 29 categories the kind of information the data supplies. If more than one category applies, make additional entries for each category. Note that the sixth and seventh entries below will be for the same data item with one entry under AGRICULT and another under LAND. Sub-categories of information covered by each main category are detailed in the Glossary.

AESTHETICS	CIRCULATN	DEMOGRAPHY	FISC ACTIV	HOUSING	RECREATION	UTILITIES
AGRICULT	CLIMATE					
AIR QUAL	COASTAL	ECON ACTIV	GEOLOGY	INTRST GPS	SAFETY	VEGETATION
ARCH-HIST	CONSERVATN	EDUCATION			SOCIAL	
		ENERGY	HAZARDS	LAND	SOIL	WATR QUAL
			HEALTH			WATR RESOR
				PLANS		WILDLIFE

[illegible]

117

From the 14 Basic Data Units, enter the three-letter mnemonic of the smallest areal unit by which the data is available. Entry of only one Basic Data Unit is possible for any data item.

This classification aids the system user in determining how general or how specific the data is. Data furnished by agencies with jurisdiction beyond the County, may tend to supply data in an aggregate form of one sum county-figure. Such data would be coded MCO, since the smallest area to which the data is tied, is the County unit. More localized data, such as that collected on a particular parcel would be coded PAR to indicate its specificity.

One non-standard code, SPA, Special Areas, is supplied. It is appropriate for data available for specific points or areas as in the third and fifth entries which represent a plan drawn for a small area not conforming to any standard Data Unit, and data on scenic areas. Most frequently, SPA is used in the latter sense to describe observations of features such as archeological sites, geologic faults, well readings and vegetation types for which no standard reporting units have as yet been devised.

ABN	Air Basin
ACR	Acre
BLK	Block
CEN	Various Census Units
CTR	Census Tract
CIT	City
CSA	County Service Area

END	Enumeration District
HSA	Hydrologic Sub Area
MCO	Monterey County
PAR	Parcel
SPA	Special Areas
SDT	Special District
TRZ	Traffic Zone

[illegible]

118

O	Once	A	Annually
W	Weekly, or more often	D	Decennially
M	Monthly	S	Series, not periodic or unspecified, upon request
Q	Quarterly		

[illegible]

2.d Currency col 24-25

What year was the data collected or what is the most recent year of data collection?

Provide the last 2 digits of the year or most recent year in which data was collected. If the data collection date is impossible to ascertain, the publication date may be entered.

01-99 Year 19

[illegible]

3.a Agency-Source Name col 28-62

Determine the name of the agency-source and enter the form of its name as it appears in the alphabetical sort of the Agency-Source Directory. For names longer than the 35 spaces allotted, truncate the name used in the Agency-Source Directory and enter as much as will fit, as done for MONTEREY BAY UNIF AIR POLL CONTROL below. Use of original abbreviations diminishes the capability of locating a data item in an alphabetical listing and results in unnecessary duplicate entries. If data is supplied by an agency not yet listed in the Agency-Source Directory, an additional entry to that Directory is required.

120

[illegible]

121

121

121

121

121

121

4.a Place of Data col 68-70

From which of the agency's offices is information on obtaining the data, or the data itself, available?

The 3 digit number to be entered is the agency Entry Number taken from the Agency-Source Directory. Where an agency has duplicate entries in the Agency-Source Directory, the Entry Number of the appropriate office should be used.

[illegible]

123

From the 7 two-letter codes, choose the primary form in which the data is available. Determination of the appropriate code is most easily made if the coder has the original data item before him. Duplicate data item entries with different media codes should be avoided, although they may be necessary in some cases.

MP Map
PC Personal Communication
TP Tape, Magnetic

[illegible]

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Enter consecutive 6-digit numbers for each new data item. Multiple entries may refer to the same data item and therefore have the same ID number.

The Master ID List names the title of the data item or describes unpublished data with key words. In addition, it provides details such as map scale, series number, related EIR, publication date if different from data collection currency, individual contact, number of pages and figures in a document, author, etc. Whatever information is pertinent to aiding the system user in locating the item or deciding its usefulness may be included. For the example Environmental Information Directory entries below, corresponding Master ID List entries are illustrated.

[illegible]

Master Identification List

- 000013 Zone II Investigation, Carmel Valley + Seaside Groundwater Basins for EIR 75-100, update
of 1967 Flood Plain Study, Carmel River
- 000038 New Pleyto Road Area Mini-Master Plan
- 000090 Vehicle and Fixed-Point Emissions, contact E. Munson
- 000167 Areas of Special Scenic and Environmental Importance, Monterey Peninsula Area Plan,
1:24,000, Roll Rile XVI, B-3
- 000181 Aerial Photos, 1:4800, print or acetate film

APPENDIX E

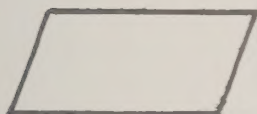
PROCEDURAL FLOW CHARTS

OF MAJOR IMPLEMENTATION PROCESSES

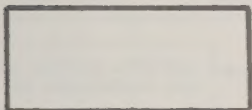
1. Key to Flow Chart Symbols
2. Processes Led by the Planning Department
3. Processes Led by the Building Inspection Department
4. Processes Led by the Local Agency Formation Commission
5. Processes Led by the Board of Supervisors

1. Key to Flow Chart Symbols

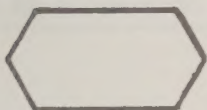
Three kinds of steps are distinguished for each action flow chart: Submission, Processing and Decision. Submission of an application initiates the procedure and comes from outside the lead agency. Processing is conducted by the lead agency. It may involve routine administrative operations, but some processing steps provide critical information for a decision step, or for a processing step involving a recommendation. A Decision step involves the formal selection by an individual or body (commission, board, etc.) from among the choices presented. These steps are represented by the following symbols. These steps are represented by the following symbols.



Submission of required documents



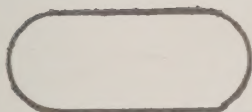
Processing



Decision



Action proceeds along one of several alternate routes



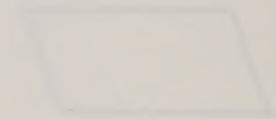
Action complete



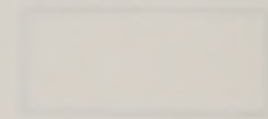
Processing follows arrow indication

There is a great deal of interest in the study of the human mind. The study of the human mind is a very old one, and it has been the subject of many different theories. Some of the most famous of these theories are those of Plato, Aristotle, and Descartes. Each of these theories has its own strengths and weaknesses, and it is the task of the philosopher to try to determine which one is the most correct. In this paper, we will look at some of the most important theories of the human mind, and we will try to see how they can be applied to the study of the human mind today.

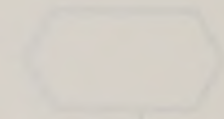
1. The first theory is that of Plato.



2. The second theory is that of Aristotle.



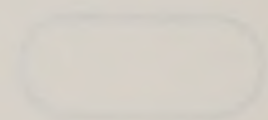
3. The third theory is that of Descartes.



4. The fourth theory is that of Kant.



5. The fifth theory is that of Hegel.

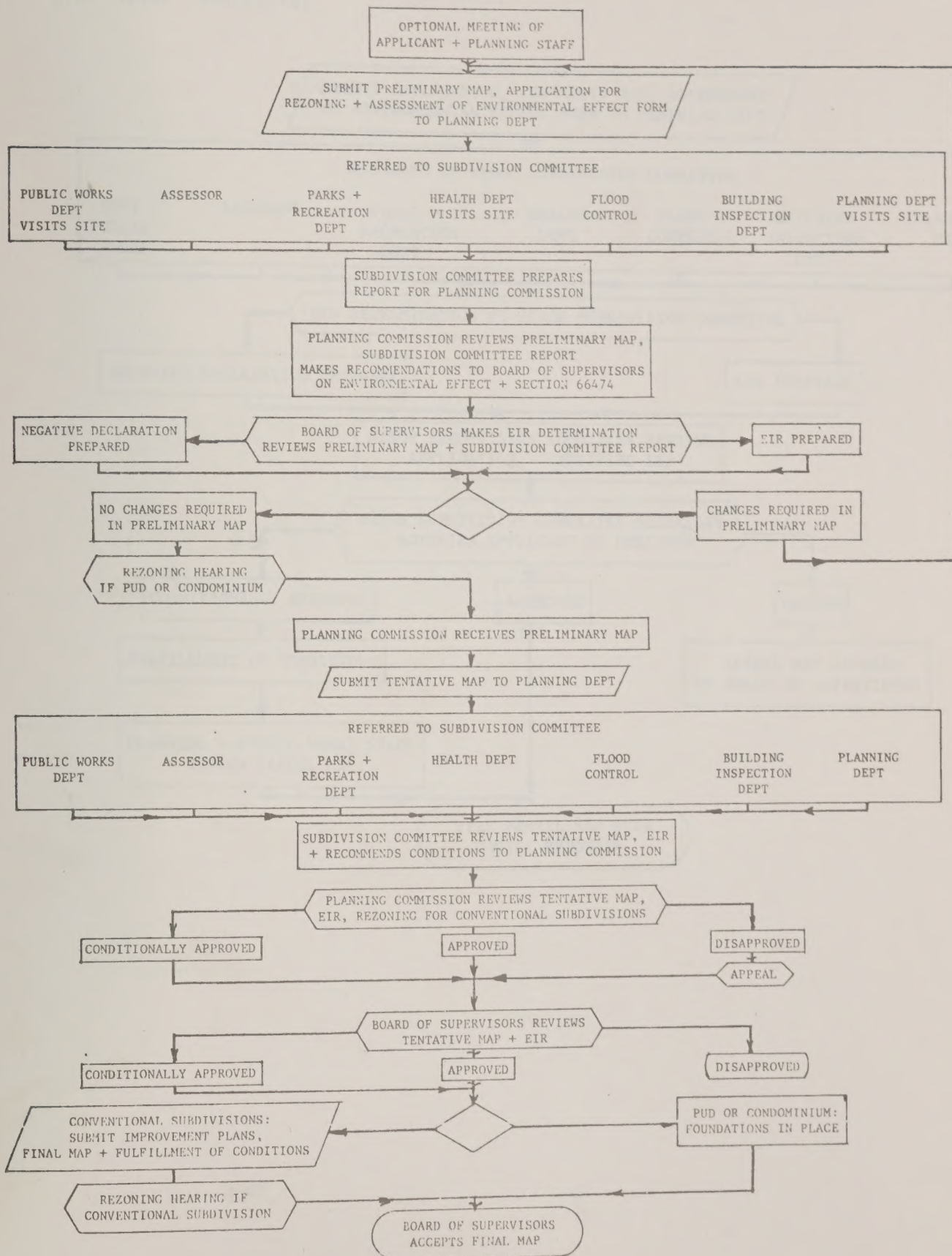


6. The sixth theory is that of Marx.

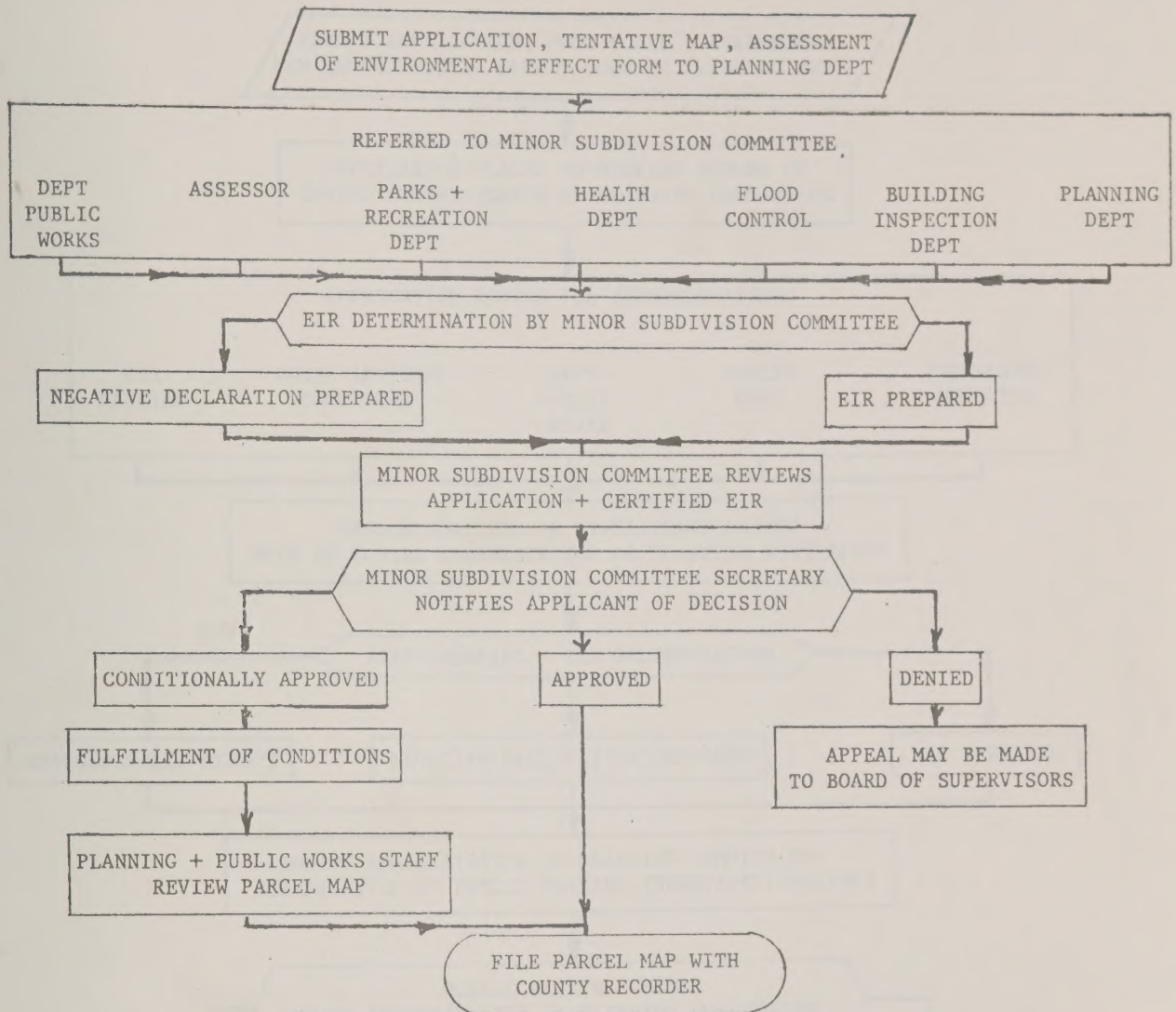


2. Processes Led by the Planning Department

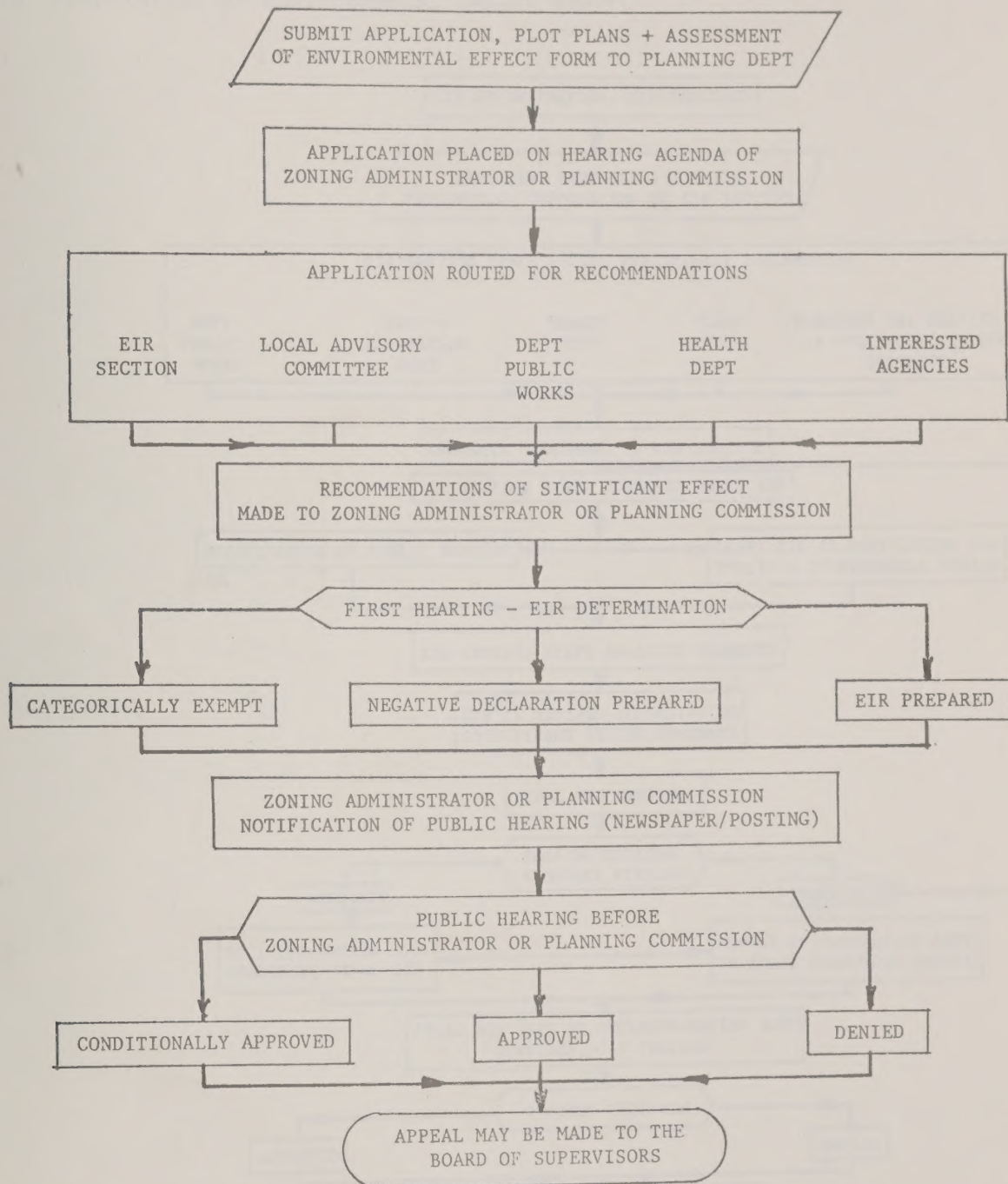
a. Standard Subdivision



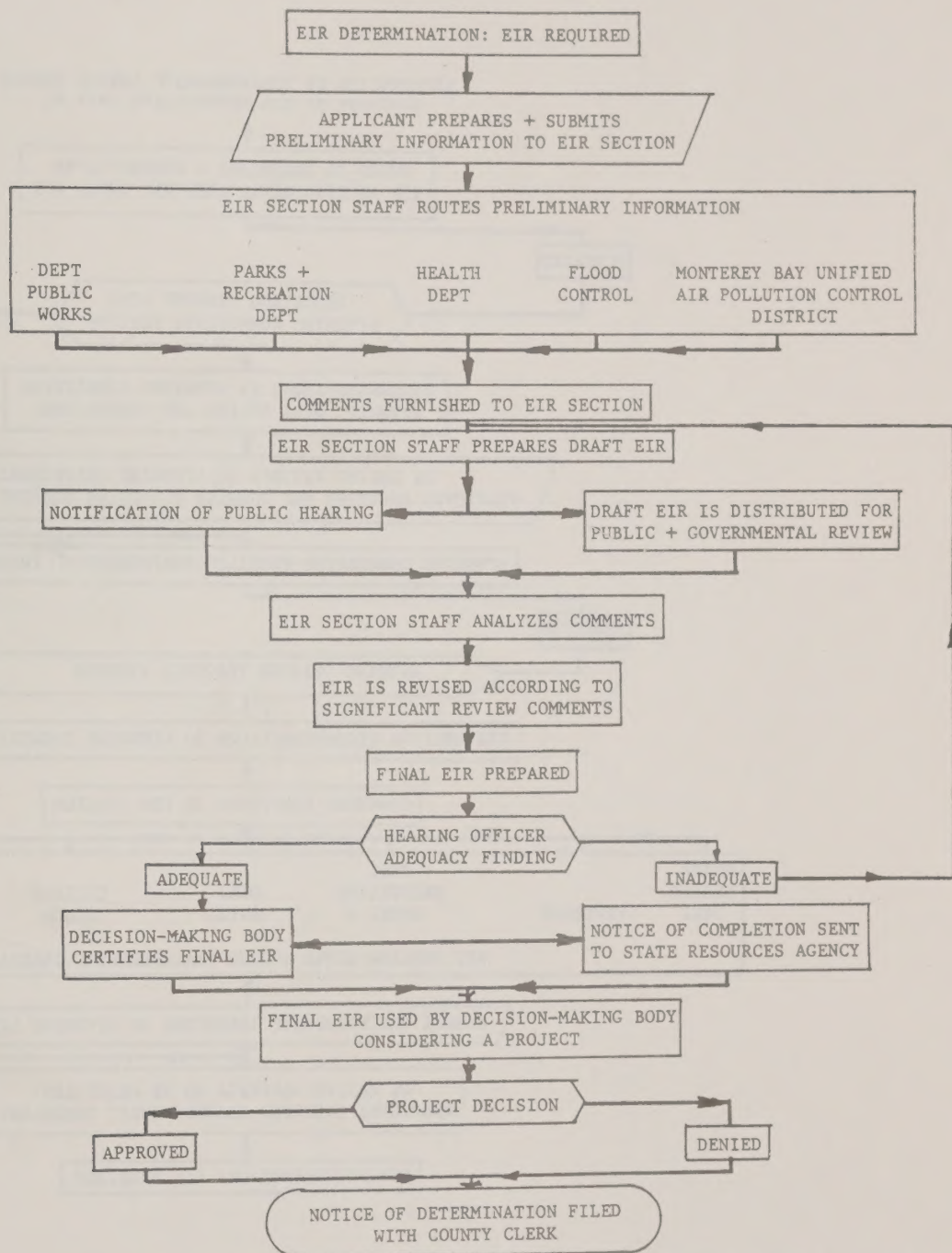
2.b Minor Subdivision



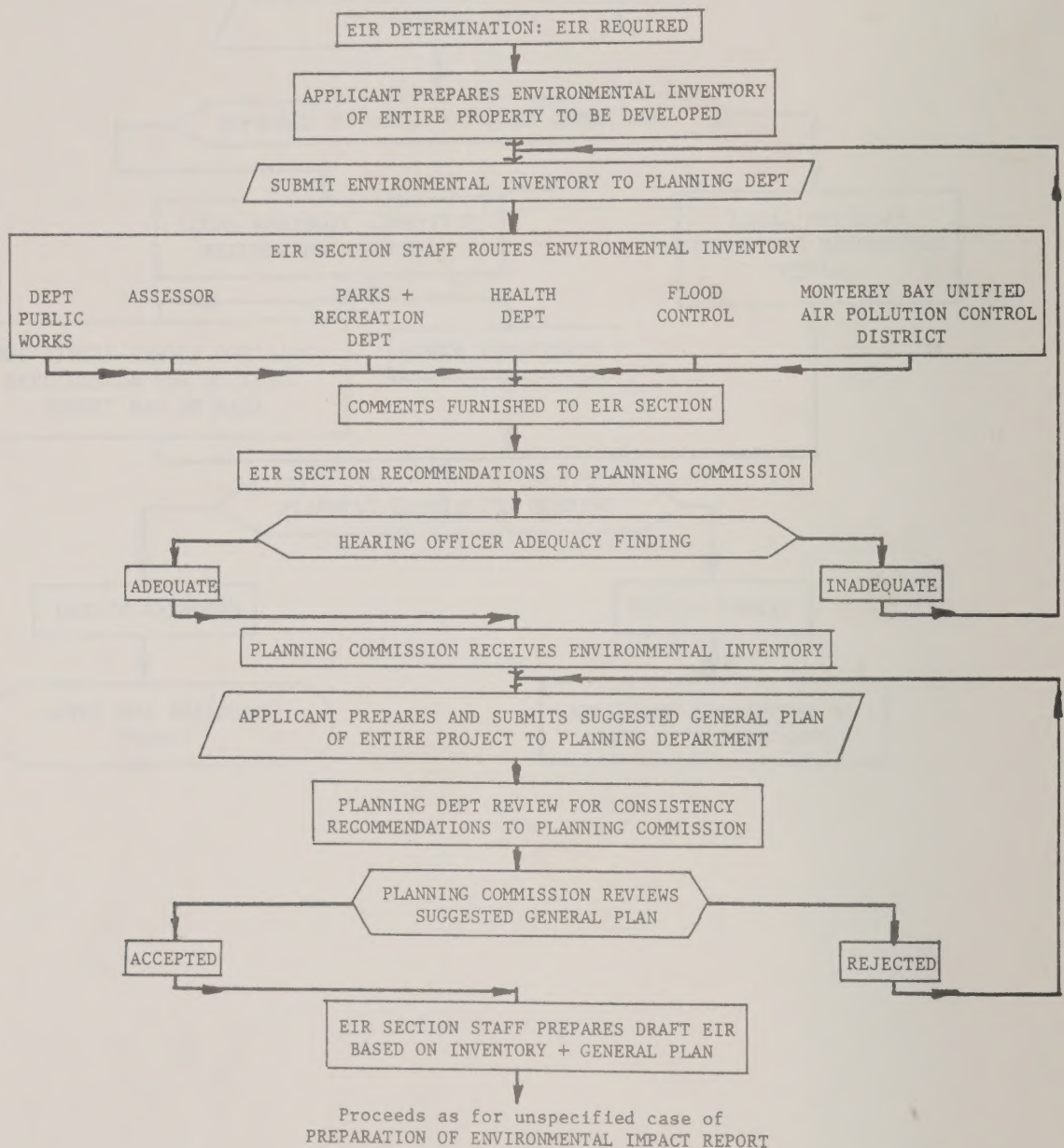
2.c ZONING ADMINISTRATOR/PLANNING COMMISSION ACTIONS
 Zoning Permit-ZA, Zoning Variance-ZA, Use Permit-ZA/PC,
 Zoning Amendment-PC, Zoning Reclassification-PC,
 Special Permit-PC



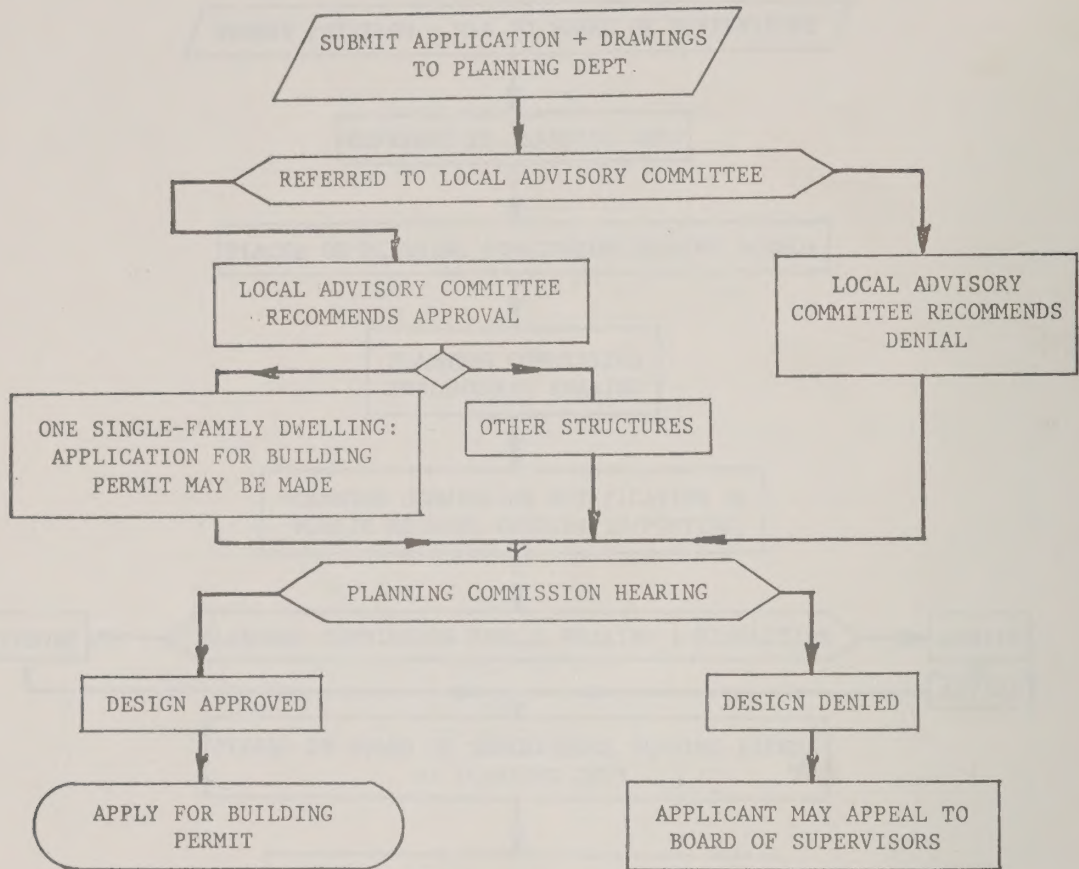
2.d Preparation of Environmental Impact Report



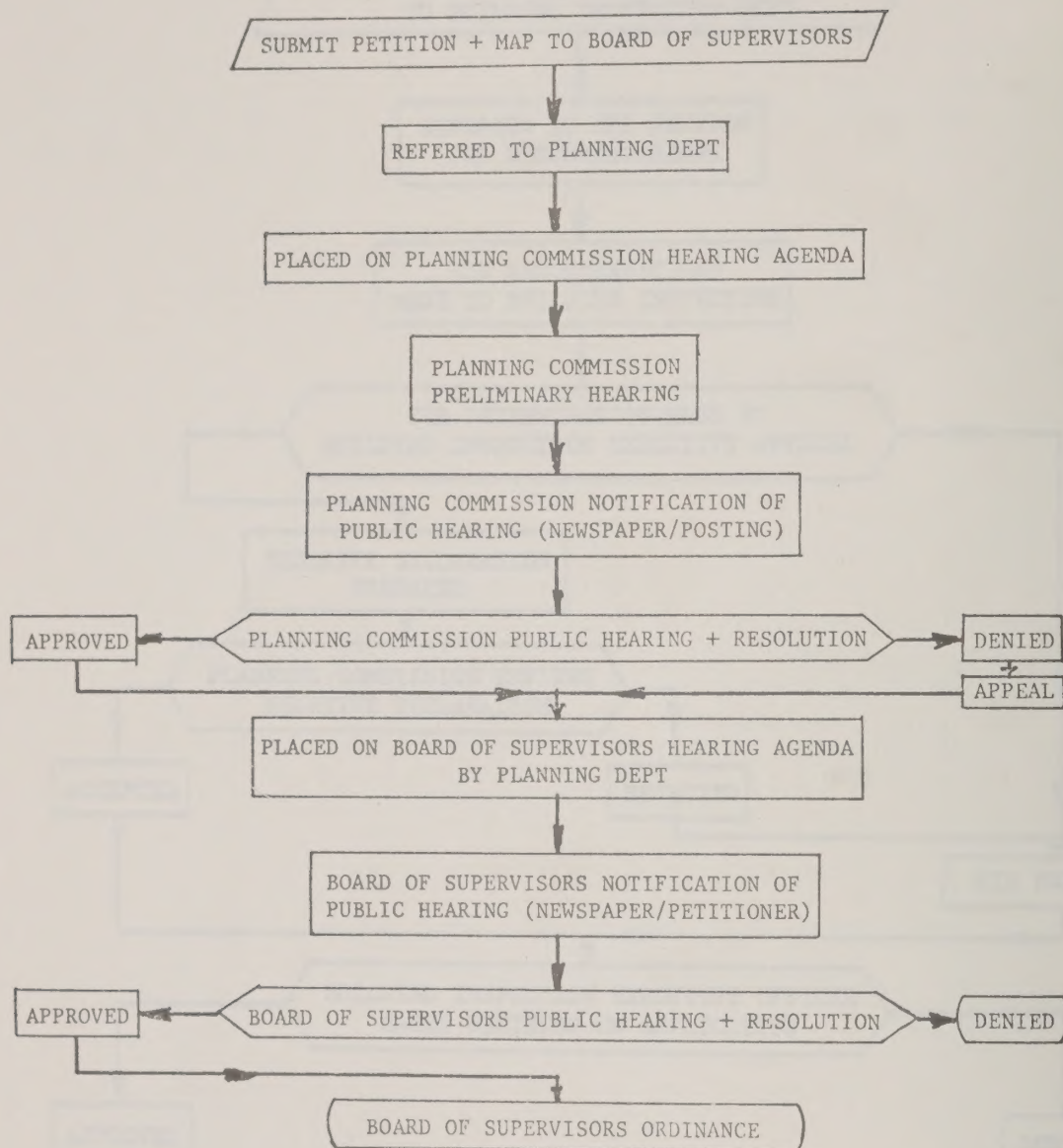
2.e Preparation of Environmental Impact Report for Major Projects



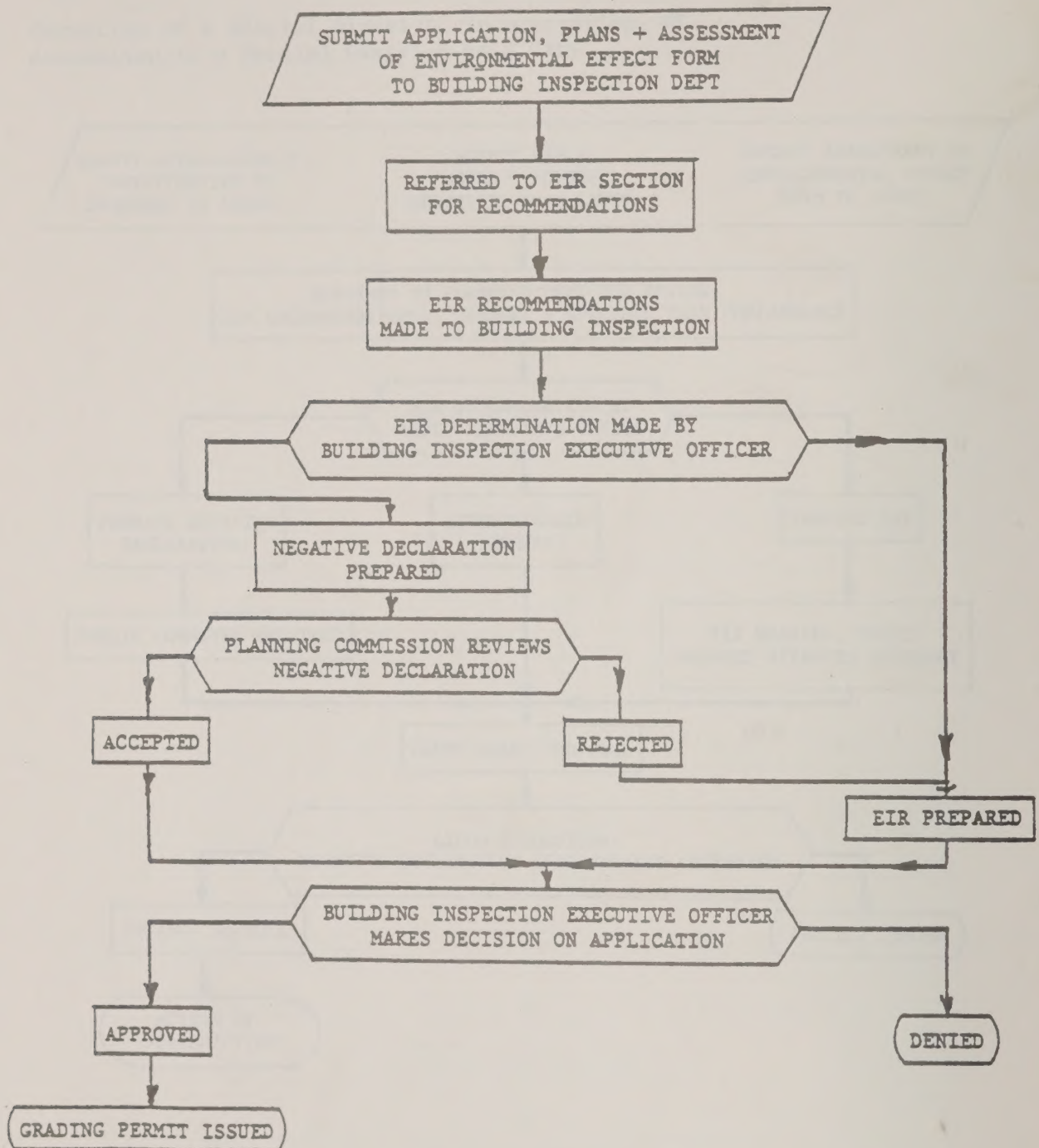
2.f Design Approval Request



2.g Petition to Name and Number a Private Road

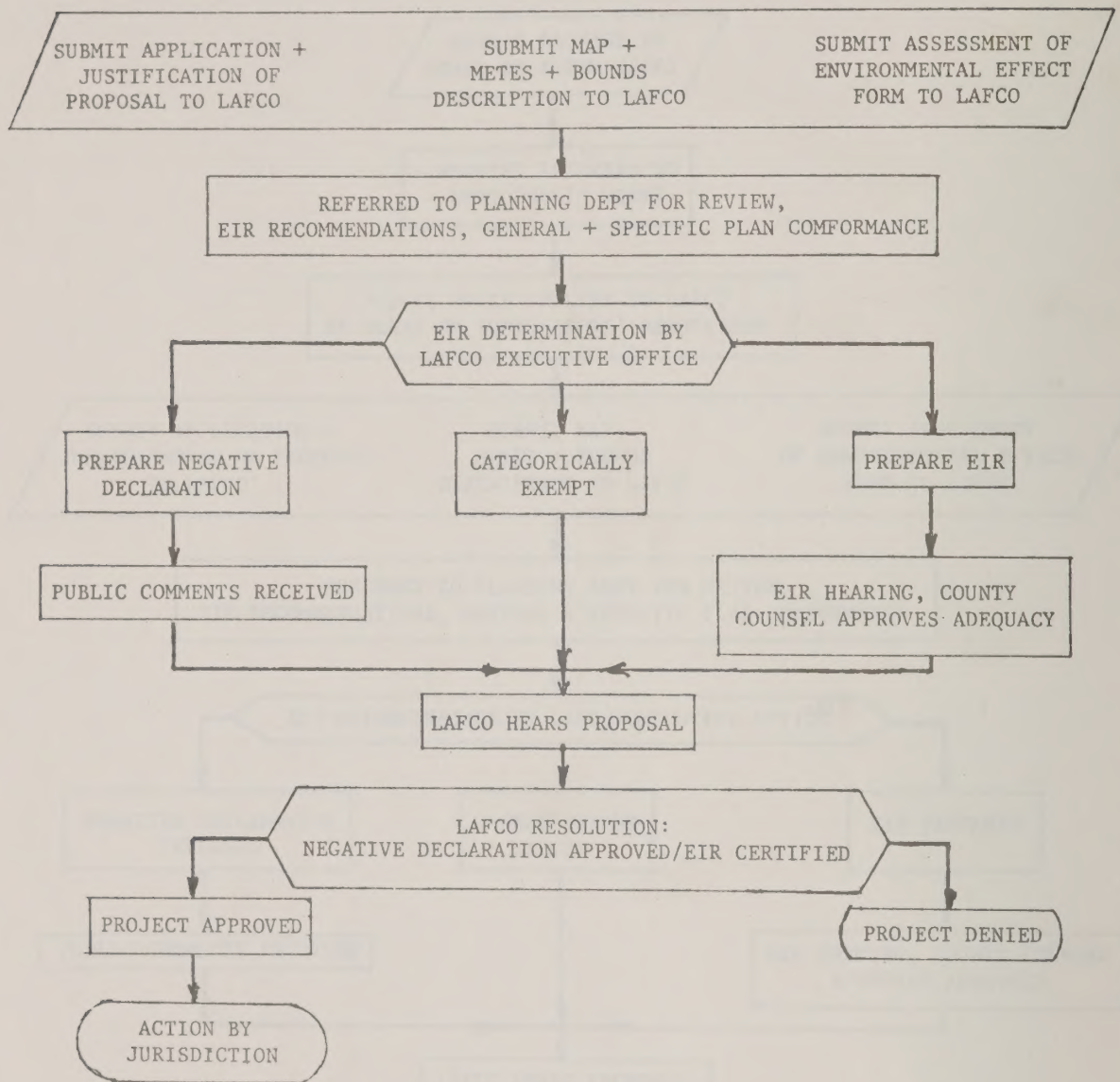


3. Processes Led by the Building Inspection Department
Grading Permit Requiring Environmental Assessment



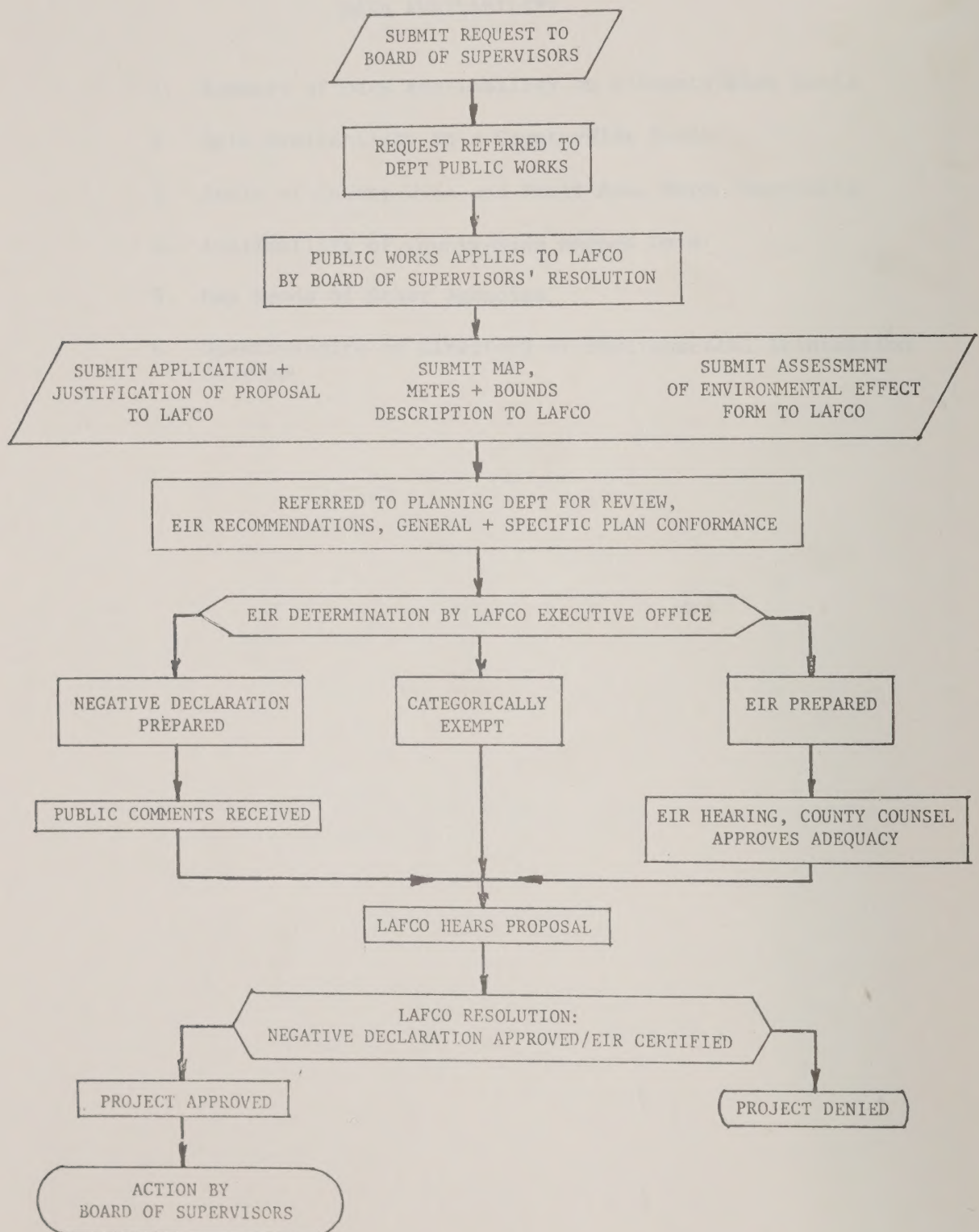
4. Processes Led by the Local Agency Formation Commission

Formation of a Special District, Incorporation, or
Annexation to a Special District or a City



5. Processes Led by the Board of Supervisors

Formation of, or Annexation to a County Service Area



APPENDIX F

DATA AVAILABILITY

1. Summary of Data Availability on a County-Wide Basis
2. Data Availability on a County-Wide Basis
3. Scale of County-Wide and Small Area Maps Identified
4. Availability of County-Wide Mapped Data
5. Map Needs of Other Agencies
6. Questionnaire on Directory of Environmental Information Sources

1. Summary of Data Availability on a County-Wide Basis

<u>Data Category</u>	<u>Evaluation of Descriptions</u>	<u>Documents Count</u>	<u>Rating*</u>
Aesthetics	Difficult to obtain	2	B
Agriculture	Seems OK ?	6	A
Air Quality	Might be more?	3	B
Arch-Hist	OK $\pm$	4	A
Circulation	OK	22	A
Climate	Might be more	1	B
Coastal	OK	10	A
Conservation	OK	6	A
Demography	OK	4	A
Econ Activ	OK - more?	8	B
Education	OK - more?	3	C
Energy	More	1	C
Fiscal Activ	OK - more?	4	B
Geology	OK	7	A
Hazards	Nearly all geologic - more?	8	C
Health	More	1	C
Housing	OK - more?	5	B
Interest Groups	More	0	C
Land	OK	6	A
Plans	OK	13	A
Recreation	OK - more?	5	B
Safety	More?	1	C
Social	More	0	C
Soils	OK	3	A
Utilities	More	3	C
Vegetation	OK - more?	5	A
Water Quality	More	2	C
Water Resources	OK - more?	4	B
Wildlife	OK	10	A

* The Rating (A = best) is the combination, using judgment, of the Evaluation and the Documents Count.

2. Data Availability on a County-Wide Basis

<u>Data Category</u>	<u>Description</u>	<u>Scale to 1 in</u>	<u>Form</u>	<u>MID</u>
Aesthetics	Billboards		DO	42
	Grading		DO	42
	Maintenance		DO	42
	Overhead Utilities		DO	42
	Scenic Corridors	4 mi	MP	208
Agriculture	Cultivated Land	4800 in	AP	181
	Prime Agricultural Land	250,000 in	MP	10
	Urban Development Zone	250,000 in	MP	10
	Agricultural Preserves	4 mi	MP	207
	Agricultural Zoning	4 mi	MP	207
	Agricultural Preserves	12,000 in	MP	176
	Agricultural Processing	12,000 in	MP	176
	Major Crops	4 mi	MP	206
	Grazing	12,000 in	MP	177
	Field Crops	12,000 in	MP	177
Air Quality	Oxidant Levels		DO	140
	Sampling Sites	8 mi	MP	62
	Hydrocarbon Emissions		PC	90
Archeology- History	Cultural Category		DO	8
	Historical Era of Feature		DO	8
	National, State, Local Registry		DO	8
	Archeological Sites		DO	149
	Historical Sites		DO	149
	Archeological Area	4 mi	MP	222
	Historical Site	4 mi	MP	222
	Portola's Trail	4 mi	MP	222
	Railroads	4 mi	MP	222
	Stagecoach Route	4 mi	MP	222
	Tribal Boundaries	4 mi	MP	222
	Preservation		DO	43

<u>Data Category</u>	<u>Description</u>	<u>Scale to 1 in</u>	<u>Form</u>	<u>MID</u>
Circulation	Average Daily Traffic		DO	71
	Peak Hour Traffic		DO	85
	Peak Month Traffic		DO	85
	State Highway Mileposts		DO	85
	State Highway Route Numbers		DO	85
	Traffic Volumes		DO	85
	Annual Report		DO	103
	Continuing Operation		DO	105
	Postcard Survey		DO	111
	Screenline Counts		DO	112
	Average Weekday Transit Trips		DO	113
	Transit Users Profile		DO	113
	Vehicle Ownership		DO	113
	Growth Inducing Impact of Transportation Plan		DO	114
	Transit		DO	115
	Land Use Forecast		DO	120
	Population Forecast		DO	120
	Housing Forecast		DO	120
	Employment Forecast		DO	120
	Income Forecast		DO	120
	Internal Trip Generation		DO	135
	Internal Trip Attraction		DO	135
	Land Use Generation + Attraction		DO	135
	Trip Distribution		DO	135
	External Trip Forecast		DO	135
	Parking Forecast		DO	122
	Financial Forecast		DO	121
	Street Condition, Type		DO	131
	External Trip Attraction		DO	132
	Traffic Volume Trends		DO	133
	Commodity Movements Inventory		DO	134
	State Highway Construction		DO	136
	State Highway Type, Mileage		DO	136
	Motor Vehicle Registration		DO	147
	Scenic Highways Designation		DO	42
	Traffic Volume Weekly Update		PC	72
	Recreational Trails		DO	231

<u>Data Category</u>	<u>Description</u>	<u>Scale to 1 in</u>	<u>Form</u>	<u>MID</u>
Climate	Equal Mean Seasonal Precipitation	9.3 mi	MP	216
Coastal	Fish + Wildlife Plan		DO	3
	Endangered + Rare Fish		DO	138
	Wetlands Acquisition Priorities		DO	6
	Zone Data Inventory		DO	19
	Coastal Weather		DO	20
	Tides + Currents		DO	56
	Archeological Resources		DO	230
	Agricultural Land Use	10 types	24,000in	MP 137
	Communication Uses	3 types	"	MP 137
	Commercial Uses	5 types	"	MP 137
	Extractive Uses	6 types	"	MP 137
	Public Facilities	14 types	"	MP 137
	Industry-Manufacturing Sites	11 types	"	MP 137
	Parks + Recreation	6 types	"	MP 137
	Transportation Uses	6 types	"	MP 137
	Land Forms	7 types	"	MP 137
	Vegetation	13 types	"	MP 137
	Water Areas	5 types	"	MP 137
	Productive Uses	5 types	250,000 in	MP 175
	Sensitive Biological Areas	4 types	"	MP 175
	Main Recreation Areas	4 types	"	MP 175
	Public Ownership		"	MP 175
	Developed Areas		"	MP 175
	Potential Hazard Areas		"	MP 175
	Coastal Zone Boundary		"	MP 175
	Public Ownership	1 mi	MP	200
	Timber Sheds	"	MP	200
	Grazing Land	"	MP	200
	Urban Development	"	MP	200
	Agricultural Soils	"	MP	200
	Agricultural Production	"	MP	200
	Parks + Beaches	"	MP	200
	Quarry Sites	"	MP	200
	Special Marine Environment	"	MP	200
	Riparian Corridors	"	MP	200
	Special Habitat	"	MP	200
	Coastal Zone Boundary	"	MP	200

<u>Data Category</u>	<u>Description</u>	<u>Scale to 1 in</u>	<u>Form</u>	<u>MID</u>
Conservation	Threatened Amphibians + Reptiles		DO	148
	Air Quality		DO	41
	Water Resources		DO	41
	Wildlife + Habitats		DO	41
	Forests		DO	41
	Minerals		DO	41
	Marine + Coastal Resources		DO	41
	Historical + Archeological Resources		DO	41
	Scenic + Recreational Lands		DO	41
	Agricultural Lands		DO	41
	Standards for Conservation		DO	41
	Scenic Highway Designation		DO	42
	Historical Preservation		DO	43
	Open Space	4 mi	MP	195
Demography	Population by Traffic Zone		DO	129
	Annual Population Update		DO	130
	Population Characteristics		DO	192
	Population Characteristics Update		PC	74
Economic Activity	Government Employment		DO	116
	Service Employment		DO	116
	Retail Employment		DO	116
	Non-Retail Employment		DO	116
	Employment Characteristics Update		DO	117
	Funds Available for Development		DO	121
	Income Inventory		DO	125
	Median Annual Income		DO	126
	Income Analysis		DO	127
	Business Conditions		DO	198
	Manpower Availability		DO	199

<u>Data Category</u>	<u>Description</u>	<u>Scale to 1 in</u>	<u>Form</u>	<u>MID</u>
Education	District Assessed Valuations		DO	223
	District Tax Rate		DO	223
	Bonding Status		DO	223
	Daily School Attendance		DO	223
	Enrollment by Grade		DO	223
	Adult School Programs		DO	223
	Special Schools		DO	223
	School Districts	6 mi	MP	2
	Migrant Education		DO	63
Energy	Public Utility	12,000 in	MP	176
Fiscal Activity	Street Funds		DO	118
	Highway Funds		DO	118
	MCTS Expenditures		DO	119
	County Budget		DO	221
	County Revenues		DO	221
	Assessed Valuation		PC	9
	Tax Rates		PC	9
Geology	Seismic Safety		DO	12
	Seismic Conditions		DO	12
	Seismic Hazard Abatement		DO	12
	Regional Land Forms		DO	66
	Faults		DO	66
	Stratigraphy		DO	66
	Landslide	125,000 in	MP	209
	Erosion Susceptibility	125,000 in	MP	209
	Active Faults	125,000 in	MP	210
	Tsunami	"	MP	210
	Alluvium Underlain Areas	"	MP	210
	Unstable Upland	"	MP	210
	Terrace Deposits	"	MP	210
	Stable Areas	"	MP	210
	Mines + Mineral Deposits	250,000 in	MP	213
	Sedimentary Rock	"	MP	213
	Metasedimentary Rock	"	MP	213
	Igneous Rock	"	MP	213
	Metaigneous Rock	"	MP	213
	Oil Fields	"	MP	213

<u>Data Category</u>	<u>Description</u>	<u>Scale to 1 in</u>	<u>Form</u>	<u>MID</u>
Geology	Mineral Resources, 15 types	4 mi	MP	214
	General Slope	4 mi	MP	215
Hazards	Earthquake Frequency-Severity		DO	81
	Seismic Safety		DO	12
	Seismic Conditions		DO	12
	Seismic Hazard Abatement		DO	12
	Faults	4 mi	MP	196
	Flood Prone Areas	4 mi	MP	196
	Sound Level Contours	15,840 in	MP	197
	Landslide	125,000 in	MP	209
	Erosion Susceptibility	125,000 in	MP	209
	Active Faults	125,000 in	MP	210
	Tsunami Hazard	"	MP	210
	Alluvium Underlain Areas	"	MP	210
	Unstable Upland	"	MP	210
	Terrace Deposits	"	MP	210
	Stable Areas	"	MP	210
	Flood Plain	2 mi	MP	228
	Fire Prone Areas	2 mi	MP	228
	Rodent Count		PC	58
	Insect Count		PC	58
	Rabid Animals		PC	58
Health	Animal Hazards		PC	58
	Pesticides		PC	58
Housing	Single Family Units	12,000 in	MP	176
	Multiple Units	"	MP	176
	Trailers	"	MP	176
	Motel Units	"	MP	176
	Hotel Units	"	MP	176
	Housing Needs		DO	17
	Housing Characteristics		DO	17
	Single-Multiple Units		DO	123
	Vacancy Rate		DO	123
	Annual Housing Update		DO	124
	Census of Housing		DO	192

<u>Data Category</u>	<u>Description</u>	<u>Scale to 1 in</u>	<u>Form</u>	<u>MID</u>
Interest Groups	None			
Land	Use		DO	73
	Future Development		DO	73
	Density		DO	73
	Physical Characteristics		DO	73
	Circulation Facilities		DO	73
	Public Facilities		DO	73
	Annual Use Update		DO	128
	Use, 23 types	12,000 in	MP	176
	Parcel Records, 75 use types		MF	178
	Aerial Photos	12,000 in	AP	179
	Aerial Photos	4,800 in	AP	181
	Use, 5 types	12,000 in	MP	177
Plans	Transportation Plan Growth Inducement		DO	114
	Transportation		DO	115
	Recreational Trails		DO	231
	Fish + Wildlife		DO	3
	History - State		DO	8
	Seismic Safety		DO	12
	Zoning Ordinance		DO	21
	General Plan		DO	32
	Conservation Open Space		DO	41
	Scenic Highways		DO	42
	Historical		DO	43
	Water Sewer + Storm Drains		DO	59
	Migrant Education		DO	63

<u>Data Category</u>	<u>Description</u>	<u>Scale to 1 in</u>	<u>Form</u>	<u>MID</u>
Recreation	Coastal Recreation		DO	229
	Associated Historical Landmarks		DO	8
	Resources		DO	101
	Proposed Facility	4 mi	MP	194
	Area	"	MP	194
	National	"	MP	194
	Military Reservation	"	MP	194
	Riding-Hiking Trails	"	MP	194
	Scenic Routes	"	MP	194
	Harbor Refuge	"	MP	194
	Agricultural Open Space	4 mi	MP	195
Safety	Seismic		DO	12
Social	None			
Soil	Type Distribution, 8 classes	24,000 in	MP	57
	Capability		PC	70
	General Distribution, 3 classes	4 mi	MP	193
Utilities	Water Facilities		DO	59
	Water Facilities Needed		DO	59
	Sewer Facilities		DO	59
	Sewer Facilities Needed		DO	59
	Storm Drains		DO	59
	Storm Drain Facilities Needed		DO	59
	Public Utilities	12,000	MP	177
	Well Readings - Bacterial		DO	60
	Well Readings - Chemical		DO	60
Vegetation	Cover, 11 types	250,000	MP	184
	Rare + Endangered Plants		DO	15
	Resources		DO	101
	Communities, 4 types	4 mi	MP	182
	Grassland	24,000 in	MP	183
	Brushland	"	MP	183
	Forest	"	MP	183

<u>Data Category</u>	<u>Description</u>	<u>Scale to 1 in</u>	<u>Form</u>	<u>MID</u>
Water Quality	Monitoring Sites	8 mi	MP	218
	Well Readings		DO	60
Water Resources	Groundwater Level		DO	68
	Watershed	1 mi	MP	187
	Groundwater Basins	4 mi	MP	188
	Sources	4 mi	MP	189
Wildlife	Fish + Wildlife Plan		DO	3
	Rare Species		DO	80
	Noise Affect		DO	84
	Resources		DO	101
	Endangered		DO	138
	Threatened Amphibians + Reptiles		DO	148
	Distribution	24,000 in	MP	183
	Habitat	4 mi	MP	202
	Rare + Endangered		PC	4
	Hazard		PC	58

3. Scale of County-Wide and Small Area Maps Identified*

mi	1 inch =		Number of Maps
	ft	in	
.08	400	4,800	3
.12	640	7,680	2
.19	1,000	12,000	9
.25	1,320	15,840	1
.38	2,000	24,000	43
.76	4,000	48,000	2
1.00	5,280	63,360	3
1.14	6,000	72,000	5
1.98	10,417	125,000	4
2.00	10,560	126,720	13
3.16	16,667	200,000	2
3.95	20,834	250,000	10
4.00	21,120	253,440	16
6.00	31,680	380,160	2
8.00	42,240	506,880	2
9.30	49,104	589,248	1
15.00	79,200	950,400	1
20.00	105,600	1,267,200	1

* The thrust of this investigation was resource information maps; hence zoning maps were not included. They are generally being standardized at 1 inch = 500 feet when compatibility is being considered.

4. Availability of County-Wide Mapped Data

The following maps were prepared as part of the Open Space Conservation Element, and are available in the Planning Department. Expansion to 1:125,000 scale should be considered.

<u>MID</u>	<u>Scale</u>	<u>Data Categories</u>	<u>Data</u>
208	1:250,000	Aesthetics	Scenic Corridors
206	1:250,000	Agriculture	Major Crops
207	1:250,000	Agriculture	Agriculture Preserves & Zoning
222	1:250,000	Arch-Hist	Resources
195	1:250,000	Conservation/Recreation	Open Space Lands (4 types)
214	1:250,000	Geology	Mineral Resources (15 types)
215	1:250,000	Geology	General Slope
196	1:250,000	Hazards	Faults & Flood Prone Areas
194	1:250,000	Recreation	Recreation Lands
193	1:250,000	Soils	General Distribution (3 types)
182	1:250,000	Vegetation	Communities (4 types)
188	1:250,000	Water Resources	Ground Water Basins
189	1:250,000	Water Resources	Water Sources

The following maps were prepared as part of the Geotechnical Study and are available in the Planning Department.

209	1:125,000	Geology	Landslide, Erosion
210	1:125,000	Geology	6 Categories Unstable Areas

The following maps are from other agencies. Copies should be obtained for the Planning Department, and established at the standard scale, 1:125,000.

<u>MID</u>	<u>Scale 1" =</u>	<u>Data Categories</u>	<u>Data</u>	<u>Source</u>
10	250,000	Agriculture	Prime Ag.Lands Urban Devt.Zone	Calif. OPR
62	8 mi	Air Quality	Sampling Sites	Mont. Bay Unif. Air Pol. Con. Dist.
216	9.3 mi	Climate	Precipitation	AMBAG
175	250,000	Coastal	17 Categories	Central Coastal Commission
200	1 mi	Coastal	12 Categories	Central Coastal Commission
2	6 mi	Education	School Districts	Education Office
213	250,000	Geology	6 Categories	Mines & Geol. Div.
197	¼ mi	Hazards	Sound Levels	Cal Trans
184	250,000	Vegetation	11 Categories	State Div.Forestry + DWR
218	8 mi	Water Quality	Monitoring Sites	Health Dept.
187	1 mi	Water Resources	Watersheds	Flood Control + Water Cons. Dist.

The following maps are available in greater detail. Summary compilations at 1:125,000 should be prepared.

<u>MID</u>	<u>Scale 1" =</u>	<u>Data Categories</u>	<u>Data</u>	<u>Source</u>
137	24,000	Coastal	86 types	Comp.Ocn.Area Plan Planning Dept.
176	12,000	Land	23 types	
		Housing	5 types	
		Agriculture	2 types	
		Utilities	Public Utilities	
57	24,000	Soil	8 types	Soil Cons. Service Planning Dept.
183	24,000	Vegetation	3 types	

The following actions are proposed for mapped information covering the entire County. Existing maps at a scale of 1:250,000 or larger should be expanded to a scale of 1:125,000. Summary maps for all Data Categories should be prepared for the County Data Handbook.

<u>Data Category</u>	<u>Actions</u>
Aesthetics	Do Aesthetics Inventory
Air Quality	Contact Agencies for information
Climate	Contact Agencies
Demography	Prepare information maps by Census Tract
Education	Contact Agencies
Energy	Contact Agencies
Hazards	Reduce Sound Level maps (MID 197, 1:15,840) Identify additional hazards
Health	Compile map of health facilities
Housing	Compile on to 1 map (MID 176, 1:12,000) Additional housing mapping by Census Tract
Water Quality	Contact Agencies

5. Map Needs of Other Agencies

RANK	DATA CATEGORY	REQUESTS	AVAILABLE			NOT AVAILABLE
			AT SCALE	LESSER	GREATER	
1	LAND	22	8	2	7	5
2	DEMOGRAPHY	13	-	-	-	-
2	WATER RESOURCES	13	5	2	-	6
3	HAZARDS	11	4	5	-	2
4	GEOLOGY	10	6	4	-	-
4	VEGETATION	10	4	5	-	1
5	PLANS	8	3	2	1	2
6	ARCH-HISTORY	7	2	2	-	3*
6	COASTAL	7	5	2	-	3
6	SOIL	7	4	1	1	1
7	AGRICULTURE	6	4	2	-	-
8	CIRCULATION	5	2	-	-	3
8	CLIMATE	5	-	1	-	4
8	CONSERVATION	5	2	-	-	3
9	EDUCATION	4	-	-	-	4
9	HOUSING	4	-	1	-	3
9	WILDLIFE	4	-	-	-	4
10	UTILITIES	3	-	2	1	-
10	WATER QUALITY	3	2	-	-	1
11	AIR QUALITY	2	-	-	-	2
12	AESTHETICS	1	-	-	-	1
12	ECONOMIC ACTIVITY	1	-	-	-	1
12	ENERGY	1	-	1	-	-
12	HEALTH	1	-	-	-	1
12	SAFETY	1	1	-	-	-
13	SOCIAL	0	-	-	-	-
13	FISCAL ACTIVITY	0	-	-	-	-
13	INTEREST GROUPS	0	-	-	-	-
13	RECREATION	0	-	-	-	-

* Not recommended

6. QUESTIONNAIRE ON
 DIRECTORY OF ENVIRONMENTAL INFORMATION SOURCES
 IN MONTEREY COUNTY

Monterey County Planning Department

1. Name of Organization or Department _____

REFER TO THE DIRECTORY TO ANSWER THESE QUESTIONS

2. Does the Directory show your organization in the correct Major Information Types?

Yes _____ No _____

If No, what Major Information Types are your areas of concern? (Check one or more.)

Information Types	We Gather Pri- mary Data On	We Use/ Need Data	We Are Interested In
01 PLANS	01 _____	01 _____	01 _____
02 ZONING	02 _____	02 _____	02 _____
03 ECONOMY	03 _____	03 _____	03 _____
04 POPULATION	04 _____	04 _____	04 _____
05 HOUSING	05 _____	05 _____	05 _____
06 AGRICULTURE	06 _____	06 _____	06 _____
07 ARCHEOLOGY/HISTORY	07 _____	07 _____	07 _____
08 UTILITIES	08 _____	08 _____	08 _____
09 FACILITIES	09 _____	09 _____	09 _____
10 CIRCULATION	10 _____	10 _____	10 _____
11 CONSERVATION	11 _____	11 _____	11 _____
12 GEOLOGY	12 _____	12 _____	12 _____
13 SEISMOLOGY	13 _____	13 _____	13 _____
14 SOILS	14 _____	14 _____	14 _____
15 GROUNDWATER	15 _____	15 _____	15 _____
16 SURFACE WATER	16 _____	16 _____	16 _____
17 CLIMATE	17 _____	17 _____	17 _____
18 AIR QUALITY	18 _____	18 _____	18 _____
19 VEGETATION	19 _____	19 _____	19 _____
20 WILDLIFE	20 _____	20 _____	20 _____
21 AESTHETICS	21 _____	21 _____	21 _____
22 NOISE	22 _____	22 _____	22 _____
23 HAZARDS	23 _____	23 _____	23 _____
24 OTHER (Specify)	24 _____	24 _____	24 _____
25 COASTAL	25 _____	25 _____	25 _____
26 SOCIAL WELFARE	26 _____	26 _____	26 _____
27 LAND USE	27 _____	27 _____	27 _____

3. What general areas of Monterey County are your concern? (Check one or More.)

- | | |
|--------------------------------|------------------------|
| (1) Whole County _____ | (5) North County _____ |
| (2) Unincorporated Areas _____ | (6) South County _____ |
| (3) Salinas Valley _____ | (7) Peninsula _____ |
| (4) Forest _____ | (8) Coast _____ |
| (9) Specific City (name) _____ | |
| (10) Other (name) _____ | |

4. Can you identify other agencies, organizations, departments or individuals having environmental information about some or all of Monterey County, that are not shown in the Directory? (Include advisory committees, knowledgeable individuals and well as organizations.)

<u>Information Type</u>	<u>Name of Organization</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

5. What kinds of maps of environmental information would you find useful if such data were compiled? What scale would you need?

<u>Map</u>	<u>Scale</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

6. Whom may we contact in your organization for further information?

7. Please provide, on the reverse side, any other comments that would be helpful to improve the Directory.

APPENDIX G

GEOGRAPHIC SUB UNIT (GSU)

CORRESPONDENCE TABLES

GEOGRAPHIC SUB UNIT (GSU) CORRESPONDENCE TABLES

GSU	Census Tracts	Traffic Zone	GSU	Census Tracts	Traffic Zones
1	101	701030	15	103	503170 803180 803200
2	101	701010 701020 701070	16	105	805080 805090 805100
3	101	701080 701090 701100	17	1	107010 107020
4	102	702010 702020	18	1	107070
5	101	701050 701060	19	1	107030 107040 107050 107060
6	101	801040	20	105	105110 105180 105190 105200 105210
7	102	702040 702050 802030 802100 802110	21	105	105120 105150 105160 105170 505130 505140
8	105	805010 805020 805030 805040 805050 805060 805070	22	18	124010 124020 124030 124040 124050 124060 124070
9	103	503050 503110 503180 803060 803070 803080 803090 803100	23	4	110010 110020 110030 110040 110050 110060 110070
10	103	503030 503040	24	3	109010
11	102	502060 502070 502080 502090	25	2	108010 108020 108030 108040
12	103	503010 503020	26	106	106050 106060 106070
13	103	503120 503130 503140 503150 503160	27	5	111010 111020 111030 111040 111050 111060
14	104	504010 504120 504130 504140			

GSU	Census Tracts	Traffic Zones	GSU	Census Tracts	Traffic Zones
28	6	112010 112020	38	16	122010 122020
29	7	113010 113020	39	15	121010 121020 121030 121040 121050 121060 121070 121080
30	106	106080 106090			
31	8	114010 114020			
32	9	115010 115020 115030 115040 115050 115060 115070 115080 115090 115100	40	14	120010 120020 120030 120040
			41	12	118010 118020 118030
			42	11	117010 117020 117030
33	106	106030 106040 106090 106100 106110 106140	43	10	116100 116150
			44	10	116160
34	10	116140		106	116180 116190 116200
	106	106170			
35	10	116010 116020 116030 116040 116050 116060 116070 116080 116090 116110 116120 116130	45	106	106210 106220 106230 106240 106250
			46	143	325010 325020 325030 325040 325050 325060 325070 325080 325090 325100
36	13	119010 119020 119030 119040 119050 119060 119070 119080 119090	47	142	326010 326020 326030 326040 326050
37	17	123010 123020 123030	48	141	327010 327020 327030

GSU	Census Tracts	Traffic Zones	GSU	Census Tracts	Traffic Zones
49	141	327030	62	131	236010
		227050			
50	141	327010	63	132	252030
		327030			252040
		327040			252050
					252060
51	140	229010			252070
		229020			
		229030	64	131	237010
		229040			
52	140	229050	65	130	238010
		229060			238020
		229070			238030
		229080			238040
		229090			238050
					238060
					238070
53	139	228010			
		228020	66	129	239010
					239020
54	138	231010			239030
		231020			239040
					239050
55	137	230010			239060
		230020			239070
					239080
56	136	233010			
		233020	67	127	241010
		233030			241020
57	135	232010	68	128	240010
		232020			240020
		232030			240030
					240040
58	134	234010			240050
		234020			240070
		234030			440060
		234040			
			69	126	242010
59	132	252090			242020
		252100			
		252110	70	125	243010
		252120			243020
		252130			243030
60	132	252010			243040
		252020			
		252080			
			71	120	248010
					248020
61	133	235010			
		235020	72	121	247010
		235030			247020
		235040			247030
		235050			247040
		235060			247050
		235070			247060
		235080			
		235090	73	122	246010
		235100			246020
		235110			246030
					246040

GSU	Census Tracts	Traffic Zones	GSU	Census Tracts	Traffic Zones
74	123	245010 245020 245030 245040	87	110	656060 656070 656080
75	124	224010 224020 224030 224040 224050 224060 224070 224080 224090	88	110	656010 656020 956000
			89	110	656090 956000
				111	959030
76	119	249010 249020 249030	90	107	955030 955070 955080 955090
77	119	249040 249050			
78	118	450210 450220 450230	91	107	955010 955020 955030 955040
79	117	451010 451020 451030 451040 451050 451060 451070 451080 451090 451100 451110 451120 451130 451140	92	107	955040 955050 955060 957060
			93	106	106130 106150 106160
			94	106	106010 106120
			95	108	157010 157020 157030 157040 957010 957020 957030 957040 957050 957060
80	116	453150 453160 453170			
81	116	653070 653110			
82	116	453130 453140 653080 653090 653100 653120		111	959020
			96	108	957060
83	116	653010 653020		111	959020 959040
84	116	653030	97	108	957020 957030
85	116	653040 653050 653060		109	958000
86	110	656030 656040 656050			

GSU	Census Tracts	Traffic Zones	GSU	Census Tracts	Traffic Zones
97	111	959010 959020 959040 959050 959080 959090 959100	102	113	961050 961060 961070 961080 961090
	112	960010 960020 960050 960060 157040 957010 957020		114	962040 962050 962060
98	108	959010 959050	103	114	962030 962040 962080 962090
	111	960010	104	114	962050 962060 962070 962080
	112	961050			
	113	959040	105	113	961010 961020 961040
99	111	960010 960020 960030 960040 960050 960060 960070 960080 960090		114	962010 962020 962030 962090 962100
	112	961030 961050		115	956030 956050
	113	960040	106	110	956000
100	112	961030 961040 961100		111	959030 960040
	113	962020 962030 962090		113	961020
	114		107	115	956020 956030
			108	115	454010 956010
101	113	961030 961040 961050 961060 961070 961090 961100 961120 961130 961140 961150 961160 961170 961180 961190 961120 962040	109	115	956010 956020 956030 956040

APPENDIX H

GLOSSARY OF ABBREVIATIONS AND CODES

GLOSSARY OF ABBREVIATIONS AND CODES

A	Annually; a Frequency code of the EID
ABN	Air Basin; a Basic Data Unit of the EID
ACR	Acre; a Basic Data Unit of the EID
AD	Advisory Committee, Board; a Jurisdiction Type of the Agency-Source Directory and the EID
ADMIN	Administration, -tor, -tive
AESTHETICS	Aesthetic Improvements, Scenic Quality; an Information Type of the Agency-Source Directory and a Data Category of the EID
AGRICULT	Agriculture: Crop Acreage/Production, Livestock, Poultry Production, Irrigation, Herbicides/Pesticides; an Information Type of the Agency-Source Directory and a Data Category of the EID
AIR QUAL	Air Quality, Air Pollution; an Information Type of the Agency-Source Directory and a Data Category of the EID
AP	Aerial Photo; a Medium code of the EID
ARCH	Archeological
ARCH-HIST	Archeological Sites, Historical Features, Preservation; an Information Type of the Agency-Source Directory and a Data Category of the EID
ASSN	Association
ASSOC	Associates
BD	Board
BLDG	Building
BLK	Block; a Basic Data Unit of the EID
C	Currency of a data item in the EID, the last two digits of the year or most recent year of data collection
CA	California; a Jurisdiction Type of the Agency-Source Directory and the EID
CD	Punch Cards; a Medium code of the EID
CDH	County Data Handbook
CEN	Various Census Units; a Basic Data Unit of the EID
CEQA	California Environmental Quality Act
CI	City; a Jurisdiction Type of the Agency-Source Directory and the EID
CIRCULATN	Circulation Services/Facilities: Road Condition/Maintenance, Traffic, Parking, Highway, Public Transit, Airport, Air Circulation, Railroad, Pedestrian Facility, Scenic Route, Ports; an Information Type of the Agency-Source Directory and a Data Category of the EID
CIT	City; a Basic Data Unit of the EID
CLIMATE	Temperature, Precipitation, Modification, Meteorology; an Information Type of the Agency-Source Directory and a Data Category in the EID

COASTAL	Waterfront Development, Oceanography, Commercial Fishing, Marine Life, Salt Water Pollution; an Information Type of the Agency-Source Directory and a Data Category of the EID
COMP	Comprehensive
CONS, CONSERVATN	Conservation, Critical Areas; an Information Type of the Agency-Source Directory and a Data Category of the EID
COOP	Cooperative
CSA	County Service Area; a Basic Data Unit of the EID
CTR	Census Tract; a Basic Data Unit of the EID
D	Decennially; a Frequency code of the EID
DAP	Data Acquisition Planner
DATA CAT, CATEGORY	In EID, designates the kind of information the data supplies, such as AGRICULT, AIR QUAL, ARCH-HIST, etc.
DATA UNIT	Basic Data Unit in EID; smallest areal unit by which data is available, such as CTR (Census Tract), CIT (City), CSA (County Service Area), etc.
DEMOGRAPHY	Population Census Projections, Distribution, Density; a Data Category of the EID
DEPT	Department
DEV	Development
DIST	District
DIV	Division
DMS	Data Management Specialist
DO	Document; a Medium code of the EID
ECON	Economic
ECON ACTIV	Economic Activity, Employment, Development; a Data Category of the EID
EDUCATION	Educational Services/Facilities: Schools, Museums, Libraries; a Data Category of the EID
EID	Environmental Information Directory
EIR	Environmental Impact Report
ELEM	Elementary
END	Enumeration District; a Basic Data Unit of the EID
ENERGY	Demand, Sources, Use; a Data Category of the EID
ENGR	Engineer, -ing, -s
F	Frequency of a data item in EID, such as M (Monthly), Q (Quarterly), A (Annually), etc.
FISC ACTIV	Fiscal Activity: Budget, Taxation/Land Valuation, Capital Improvement Program, Revenue Sharing; a Data Category of the EID
GEOLOGY	Seismology, Land Form, Minerals, Petroleum, Natural Gas, Topography, Stratigraphy; an Information Type in the Agency-Source Directory and a Data Category in the EID
GSU	Geographic Sub Unit, 4-digit number in the EID; from a set of 109 unique area identifiers, locates area for which data has been gathered

HAZARDS	Earthquake, Slide, Fire, Radiation, Noise, Tsunami, Animal/Rodent/Insect, Flood; an Information Type in the Agency-Source Directory and a Data Category in the EID
HEALTH	Health Services/Facilities: Public Health, Cemetery, Hospital; a Data Category of the EID
HIST	Historical
HOUSING	Census, Policy, Supply, Condition; an Information Type in the Agency-Source Directory and a Data Category in the EID
HSA	Hydrologic Sub Area; a Basic Data Unit of the EID
IN	Information Type in Agency-Source Directory, such as Vegetation, Circulation, Geology, etc.
INC	Incorporated
ID NO	Identification Number in EID to locate an item in Master Identification List
INTRST GPS	Interest Groups, Citizen Participation; a Data Category of the EID
JU	Jurisdiction Type or area of operation, such as MC (Monterey County), CA (State of California), US (United States), etc.
LAND	Land Use, Tenure, Reclamation; a Data Category of the EID
M	Monthly; a Frequency code of the EID
MASTER ID LIST	Master Identification List; contains details on specific data items in the EID
MC	Monterey County; a Jurisdiction Type of the Agency-Source Directory and the EID
MCFC+WCD	Monterey County Flood Control + Water Conservation District
MCO	Monterey County; a Basic Data Unit of the EID
MED	Medium or form of EID data item, such as CD (Punch Cards), DO (Document), MP (Map), etc.
MF	Microfilm, Microfiche; a Medium code of the EID
MID	Master Identification List
MP	Map; a Medium code of the EID
NAME	Name of agency-source gathering data in EID
O	Once; a Frequency code of the EID
PAR	Parcel; a Basic Data Unit of the EID
PEN	Peninsula
PC	Personal Communication; a Medium code of the EID

PLACE	Agency location at which information on obtaining data or data itself is available. Same 3-digit Entry Number used in Agency-Source Directory
PLANS	General/Elements, Area, Special Agency; an Information Type of the Agency-Source Directory and a Data Category of the EID
POLL	Pollution
PUD	Planned Unit Development
PV	Private; a Jurisdiction Type of the Agency-Source Directory and the EID
Q	Quarterly; a Frequency code of the EID
REC, RECREATION	Recreation, -al Services/Facilities: Park, Open Space, Tourism, Water Related, Bikeways, Trails, Off-Street Recreational Vehicles; a Data Category of the EID
RG	Regional; a Jurisdiction Type of the Agency-Source Directory and the EID
S	Series, not periodic or unspecified; upon request; a a Medium code of the EID
SAFETY	Safety/Protective Services: Fire, Law Enforcement, Civil Defense; a Data Category of the EID
SOCIAL	Criminal Justice, Consumerism, Social Equity, Poverty, Welfare, Minorities; a Data Category of the EID
SOIL	Erosion, Sedimentation, Classification, Pollution, Capability; an Information Type in the Agency-Source Directory and a Data Category in the EID
SPA	Special Areas; a Basic Data Unit of the EID
TP	Tape, Magnetic; a Medium code of the EID
TRANS	Transportation
TRZ	Traffic Zone; a Basic Data Unit of the EID
TYPE	Type Jurisdiction in EID, same codes as for Agency-Source Directory, MC (Monterey County), CA (State of California), US (United States), etc.
UNIF	Unified
UNIV	University
US	United States; a Jurisdiction Type of the Agency-Source Directory and the EID
UTILITIES	Water, Sewer, Solid Waste, Storm/Surface Drains, Electricity/Gas, Telephone, Street Lights; an Information Type in the Agency-Source Directory and a Data Category in the EID
VEGETATION	Classification, Forestry; an Information Type in the Agency-Source Directory and a Data Category in the EID

W	Weekly, or more often; a Frequency code of the EID
WATR QUAL	Water Quality: Pollution, Demand, Septic Tank, Flood Control; a Data Category of the EID
WATR RESOR	Water Resources: Surface Hydrology, Groundwater, Salt Water Intrusion, Wells, Springs, Drainage; a Data Category of the EID
WILDLIFE	Habitat, Population Inventory, Rare/Endangered, Species; an Information Type in the Agency-Source Directory and a Data Category in the EID

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